

4112NH4 ebmpapst 12V 2.66A 119x119x38mm DC Axial Fan

SKU: 4112NH4

Price: \$104.28

Categories: Fans

Tags: ebmpapst

Product Link:

<https://www.electspares.com/product/4112nh4-ebmpapst-12v-2-66a-119x119x38mm-dc-axial-fan/>

Product Description

The ebmpapst 4112NH4 is an ultra-high-performance 12 VDC axial compact fan featuring a 119 mm aerodynamic impeller designed for intense thermal management in high-density electronic environments. Driven by a massive 2.66 A brushless DC motor, this unit is engineered for maximum air displacement, delivering an exceptional airflow at a rated speed of 6800 RPM with a power consumption of 32 W. The robust design features a die-cast aluminum housing and a glass-fiber reinforced plastic impeller, ensuring superior structural rigidity and heat dissipation under high-torque operation. As a specialized two-wire version, it is designed for direct-power applications requiring constant, high-velocity cooling. Equipped with premium ball bearings and electronic protection against reverse polarity and locked-rotor conditions, the 4112NH4 offers a professional-grade thermal solution for server racks and industrial power systems across an ambient temperature range of -20 °C to 65 °C.

4112NH4 Fan Parameters

Model Number: 4112NH4

Manufacturer: ebmpapst

Series: 4100 N Series

Type: DC Axial Fan

Size: 119 mm

Dimensions: 119 x 119 x 38 mm

Weight: 0.39 kg

Bearing Type: Ball Bearing

Nominal Voltage: 12 VDC

Voltage Range: 9.0 - 14.0 VDC

Power Consumption: 32 W

Nominal Current: 2.66 A

Speed: 6800 RPM

Max. Air Flow: 62.23 CFM (105.7 m³/h / 1.76 m³/min)

Max. Static Pressure: 9.81 mmH₂O (96.24 Pa / 0.39 inH₂O)

Actual Air Flow: 355 m³/h

Sound Power Level: 7.4 Bel(A)

Sound Pressure Level: 67 dB(A)

Motor Design: Brushless DC motor

Motor Protection: Electronic protection against reverse polarity and locked-rotor

Insulation Class: Class E

Electrical Hookup: 2 Lead wires (Red: +12V; Blue: GND)

Number of Blades: 5

Direction of Rotation: Clockwise, viewed toward rotor

Airflow Direction: Intake over struts

Impeller Material: Glass-fiber reinforced plastic (PA)

Housing Material: Die-cast aluminum

Installation Position: Any

Degree of Protection: IP20

Operating Temperature: -20 - +65 °C

Service Life (L10 @ 40 °C): 62500 h

Standard Compliance: EN 60950-1, CE

Approval Agency: VDE, UL, CSA

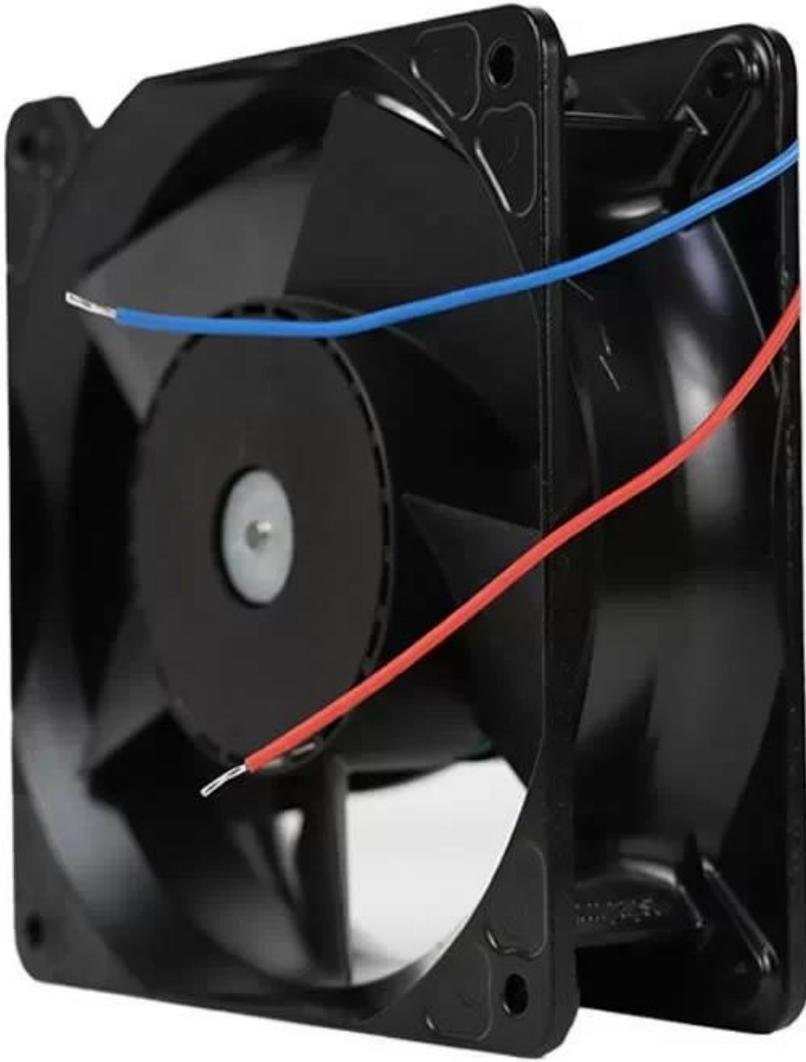
Application

The ebmpapst 4112NH4 axial fan is primarily utilized in high-performance server racks, telecommunications infrastructure, industrial power supplies, data center cooling systems, and high-density electronic enclosures.

Product Images







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