

4412/2HP-570 ebm-papst 12VDC 119x119x38mm Axial Fan Datasheet



Brand: ebmpapst

SKU: [1001230945415](#)

Category: Axial & Centrifugal Fans

Price: **\$167.99**

E-mail: sales@equipspares.com

Web: <https://www.equipspares.com>

Product Page:

<https://www.equipspares.com/product/4412-2hp-570-ebm-papst-12vdc-119x119x38mm-axial-fan>

Product Description

The ebm-papst 4412/2HP-570 is a high-performance DC axial fan engineered for critical thermal management in industrial and telecommunications environments. Utilizing advanced commutation electronics and a precision-balanced impeller, this unit minimizes thermal impedance while maintaining exceptional structural rigidity through its fiberglass-reinforced composite housing. The motor architecture features a durable ball bearing system designed to withstand continuous operation under varying load conditions, ensuring long-term reliability. Its aerodynamic profile is optimized to deliver high static pressure capabilities, making it suitable for densely packed electronic enclosures where airflow resistance is a significant factor.

Model Number: 4412/2HP-570

Brand: ebm-papst

Product Type: DC Axial Fan

Rated Voltage: 12 VDC

Voltage Range: 7.0 - 14.0 VDC

Rated Current: 0.68 A

Power Consumption: 8.2 W

Rated Speed: 5000 RPM

Max. Air Flow: 114.2 CFM (194 m³/h)

Max. Static Pressure: 15.2 mmH₂O (149 Pa / 0.60 inH₂O)

Dimensions: 119 x 119 x 38 mm

Bearing Type: Ball Bearing

Noise Level: 55 dB(A)

Housing Material: PBT Plastic (Fiberglass Reinforced)

Impeller Material: PA Plastic (Fiberglass Reinforced)

Operating Temperature: -20°C to +70°C

Life Expectancy (L10): 60,000 Hours at 40°C

Termination: Lead Wires

Weight: 0.27 kg

Direction of Rotation: Clockwise looking at rotor

Airflow Direction: Air exhaust over struts

Motor Protection: Reverse Polarity and Locked Rotor Protection

Approvals: UL, CSA, VDE

The 4412/2HP-570 is specifically calibrated for applications requiring substantial airflow in restricted spaces, such as server rack cooling modules, telecommunications base stations, and industrial automation control panels. The robust design of the 4412/2HP-570 ensures consistent performance in medical instrumentation and power supply units where heat dissipation is critical for component longevity. Its high static pressure curve allows it to effectively push air through dense heatsinks and filter assemblies found in CNC machinery and network switching gear.

Supplemental Images

