

# 4412FGM ebmpapst 12VDC 119x119x25mm Axial Fan Datasheet



**Brand:** ebmpapst

**SKU:** [897516719263](#)

**Category:** Axial & Centrifugal Fans

**Price:** **\$111.99**

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Product Page: <https://www.equipspares.com/product/4412fgm-ebmpapst-12vdc-119x119x25mm-axial-fan>

## Product Description

The ebmpapst 4412FGM is a precision-engineered DC Axial Fan designed for optimal thermal management in compact electronic enclosures. Utilizing advanced Sintec sleeve bearing technology, this unit ensures low-noise operation while maintaining structural rigidity under continuous load. The aerodynamic impeller design minimizes turbulence, enhancing airflow efficiency and reducing thermal impedance within the system. Engineered with a fiberglass-reinforced plastic housing (PBT), the 4412FGM delivers reliable performance with a nominal power consumption of 3W, making it an ideal solution for applications requiring a balance between static pressure and volumetric flow.

Model Number: 4412FGM

Brand: ebmpapst

Product Type: DC Axial Fan

Rated Voltage: 12 VDC

Voltage Range: 6.0 - 13.0 VDC

Rated Current: 250 mA

Power Input: 3.0 W

Rated Speed: 2400 RPM

Bearing Type: Sintec Sleeve Bearing

Max. Air Flow: 82.4 CFM (140 m<sup>3</sup>/h)

Max. Static Pressure: 4.8 mmH<sub>2</sub>O (47 Pa / 0.19 inH<sub>2</sub>O)

Dimensions: 119 x 119 x 25 mm

Weight: 175 g

Noise Level: 32 dB(A)

Housing Material: PBT Plastic (UL94V-0)

Impeller Material: PA Plastic (UL94V-0)

Operating Temperature: -20 to +75 °C

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

Termination: 2 Wire Leads (AWG 24, TR 64)

Motor Protection: Reverse Polarity Protected, Impedance Protected

Ingress Protection: IP20

Direction of Rotation: Clockwise (viewed toward rotor)

Approvals: VDE, CSA, UL, CE

The 4412FGM is specifically engineered for critical cooling applications in telecommunications equipment, server rack ventilation, and industrial automation control panels. Its compact profile allows for seamless integration into power supply units and medical diagnostic devices where space is at a premium. By maintaining consistent airflow, the 4412FGM prevents thermal throttling in sensitive electronics, ensuring long-term reliability in 24/7 operational environments.

## Supplemental Images

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