

422JL ebmpapst 12V 60mA 0.72W 40x40x28mm DC Axial Fan

SKU: 422JL

Price: \$58.00

Categories: Fans

Tags: ebmpapst

Product Link:

<https://www.electspares.com/product/422jl-ebmpapst-12v-60ma-0-72w-40x40x28mm-dc-axial-fan/>

Product Description

The ebmpapst 422JL (Part No. 8315100246) is a high-efficiency 12 VDC axial fan from the S-Panther series, specifically optimized for low-power and noise-sensitive cooling applications in compact environments. Featuring the specialized VWCE040JHDCZ technical configuration, this 40 x 40 x 28 mm unit operates at a remarkably low nominal current of 60 mA with a power consumption of only 0.72 W. Driven by a precision brushless motor, it is designed to deliver consistent airflow while overcoming internal resistance through its high-depth housing architecture. The robust design utilizes glass-fiber reinforced plastic for both the housing and impeller, ensuring structural integrity and minimized vibration. Equipped with premium ball bearings and comprehensive electronic protection against reverse polarity and locked-rotor conditions, the 422JL provides a professional-grade, long-life cooling solution for portable electronics and medical devices across a wide DC voltage range of 8-13.8 V.

422JL Fan Parameters

Model Number: 422JL

Part Number: 8315100246

Series Reference: VWCE040JHDCZ

Manufacturer: ebmpapst

Series: S-Panther Series

Type: DC Axial Fan

Size: 40 mm

Dimensions: 40 x 40 x 28 mm

Weight: 0.045 kg

Bearing Type: Ball Bearing

Nominal Voltage: 12 VDC

Voltage Range: 8.0 - 13.8 VDC

Power Consumption: 0.72 W

Nominal Current: 60 mA

Speed: 6000 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: 14.0 m³/h

Actual Static Pressure: 65 Pa

Sound Power Level: 4.0 Bel(A)

Sound Pressure Level: 23 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: Counter-clockwise, viewed toward rotor

Airflow Direction: Air outlet over struts

Impeller Material: Glass-fiber reinforced plastic (PA)

Housing Material: Glass-fiber reinforced plastic (PBT)

Installation Position: Any

Degree of Protection: IP20

Operating Temperature: -20 - +70 °C

Service Life (L10 @ 40 °C): 82500 h

Standard Compliance: EN 60950-1, CE

Approval Agency: VDE, UL, CSA

Application

The ebmpapst 422JL axial fan is primarily utilized in portable medical devices, compact network routers, high-end laboratory instrumentation, quiet-running power supplies, and small-scale electronic enclosures.

Product Images







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