

4414L ebmpapst 24V 0.1A 2.4W 119x119x38mm DC Axial Fan

SKU: 4414L

Price: \$88.57

Categories: Fans

Tags: ebmpapst

Product Link:

<https://www.electspares.com/product/4414l-ebmpapst-24v-0-1a-2-4w-119x119x38mm-dc-axial-fan/>

Product Description

The ebmpapst 4414L (Part No. 9293510518) is a professional-grade 24 VDC axial compact fan from the 4400 series, specifically optimized with the VWCF119AJGKS technical configuration for high-reliability industrial cooling. Featuring a standard 119 x 119 x 38 mm form factor, this unit is driven by a precision brushless DC motor that operates at a nominal current of 0.1 A, consuming 2.4 W under standard conditions, with a maximum power ceiling of 3.4 W for peak performance. The fan delivers a robust airflow of 150 m³/h at 2700 RPM, utilizing an advanced ball bearing system designed to withstand extreme ambient temperatures up to 80 °C. Its aerodynamic construction, comprising a glass-fiber reinforced PBT plastic housing and a PA plastic impeller, ensures structural rigidity and minimized vibration for S1 continuous operation. Equipped with comprehensive electronic protection against reverse polarity and locked-rotor conditions, the 4414L provides a dependable, high-capacity thermal solution for critical infrastructure and industrial automation.

4414L Fan Parameters

Model Number: 4414L

Part Number: 9293510518

Series Reference: VWCF119AJGKS

Manufacturer: ebmpapst

Type: DC Axial Fan

Size: 119 mm

Dimensions: 119 x 119 x 38 mm

Weight: 0.250 kg

Bearing Type: Ball bearing

Nominal Voltage: 24 VDC

Voltage Range: 18.0 - 28.0 VDC

Power Consumption: 2.4 W

Maximum Power Consumption: 3.4 W

Nominal Current: 0.1 A

Speed: 2700 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: 150 m³/h

Sound Power Level: 5.0 Bel(A)

Sound Pressure Level: 37 dB(A)

Motor Design: Brushless DC motor with external rotor

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

Locked-rotor Protection: Auto-restart and overload protection

Insulation Class: Class E

Electrical Hookup: 2 Lead wires (Red: +24V; Blue: GND); AWG 24, TR 64, stripped and tinned

Number of Blades: 5

Direction of Rotation: Clockwise, viewed toward rotor

Airflow Direction: Exhaust over struts

Impeller Material: Glass-fiber reinforced PA plastic

Housing Material: Glass-fiber reinforced PBT plastic

Installation Position: Any

Degree of Protection: IP20

Operating Temperature: -20 - +80 °C

Service Life (L10 @ 40 °C): 67500 h

Service Life (L10 @ Max Temp): 22500 h

Standard Compliance: EN 60950-1, CE

Approval Agency: VDE, UL, CSA

Application

The ebmpapst 4414L axial fan is primarily utilized in industrial control cabinets, telecommunications infrastructure, high-temperature power supplies, server rack ventilation, and medical laboratory equipment.

Product Images





9293510518
VWCF119AJGKS **4414 L**

24V $\ddot{=}$ DC 0.1AA 2.4W
(18V - 28V $\ddot{=}$ DC)
max. 3.4 W
+RD -BU

EP

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