

5214N/19HHI ebmpapst 27V 127mm 500mA 13.5W DC Axial Fan

SKU: 5214N/19HHI

Price: \$95.00

Categories: Fans

Tags: ebmpapst

Product Link:

<https://www.electspares.com/product/5214n-19hhi-ebmpapst-27v-127mm-500ma-13-5w-dc-axial-fan/>

Product Description

The ebmpapst 5214N/19HHI is a high-performance Brushless DC Axial Fan with dimensions of 127 x 127 x 38 mm. Operating at a nominal voltage of 27 VDC (range 24 - 32 VDC), this unit is engineered for reliable and efficient cooling in high-density electronic environments. It features a 5-blade impeller and a durable ball bearing system, delivering a maximum airflow of 215 m³/h (126.5 CFM) at a rated current of 500 mA. With a power consumption of 13.5 W and a noise profile of 55 dB(A), the 5214N/19HHI provides a balanced thermal management solution for mission-critical enclosures. The fan features a 4-wire termination for advanced control and monitoring, ensuring long-term durability in ambient temperatures up to 70 °C.

5214N/19HHI Fan Parameters

Manufacturer: ebmpapst

Model Number: 5214N/19HHI

Type: DC Axial Fan

Motor Design: Brushless DC Motor

Number of Blades: 5

Nominal Voltage: 27 VDC

Nominal Voltage Range: 24 - 32 VDC

Dimensions: 127 x 127 x 38 mm

Weight: 0.31 kg

[Electrical Data]

Nominal Current: 500 mA

Power Consumption: 13.5 W

Motor Protection: Protection against reverse polarity and blocked rotor

Termination: 4 Wire Leads

[Performance & Acoustics]

Air Flow: 215 m³/h (126.5 CFM)

Max. Static Pressure: 95 Pa (0.38 inAq)

Sound Pressure Level: 55 dB(A)

[Materials & Construction]

Housing Material: Die-cast aluminum

Impeller Material: Glass-fiber reinforced plastic (PBT)

Storage: Ball bearing

Airflow Direction: Exhaust over struts

Direction of Rotation: Counterclockwise, viewed toward rotor

[Reliability & Protection]

Service Life L10 at 40 °C: 62500 h

Min. Ambient Temperature: -20 °C

Max. Ambient Temperature: 70 °C

Approval: VDE, CSA, UL, CE

Application

The ebmpapst 5214N/19HHI 4-wire Brushless DC Fan is the premier thermal management solution for medical diagnostic equipment, industrial control cabinets, and high-end communication racks. Its 127 mm compact frame, combined with a 5-blade high-efficiency design, achieves an ideal balance between airflow and pressure at a low 13.5 W power draw. The 4-wire termination provides precise speed control (PWM) or tachometer feedback, allowing the system to dynamically adjust RPM based on real-time thermal loads to maintain acoustic comfort at 55 dB(A). With a lightweight 0.31 kg profile and robust aluminum housing, the 5214N/19HHI delivers durable, 24/7 mission-critical cooling for modern 27V DC power electronics and mission-critical infrastructures.

Product Images







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