

414J/2HH ebmpapst 24V 0.15A 40x40x25mm DC Axial Fan

SKU: 414J/2HH

Price: \$125.71

Categories: Fans

Tags: ebmpapst

Product Link:

<https://www.electspares.com/product/414j-2hh-ebmpapst-24v-0-15a-40x40x25mm-dc-axial-fan/>

Product Description

The ebmpapst 414J/2HH (9291906015) is a professional-grade 24 V DC Axial Fan with compact dimensions of 40 x 40 x 25 mm, integrated with a dedicated Speed Signal (Tachometer) output for high-precision system monitoring. Engineered for the most demanding server environments and industrial drive systems, this unit features a 3-wire interface that allows real-time speed feedback to prevent critical component overheating. Driven by an electronically commutated external rotor motor with integrated auto-restart and reverse polarity protection, it provides a precise Max. Power Consumption of 3.6 W and a Max. Current Draw of 0.15 A at 24 V DC. Operating at an ultra-high rated speed of 13000 RPM, it delivers a robust airflow of 38.0 m³/h (22.4 CFM) with an impressive Max. Static Pressure of 360 Pa. Constructed with glass-fiber reinforced PBT plastic and precision ball bearings, this 50 g unit ensures maximum cooling density and mechanical reliability for integrated industrial switchgear systems at the end.

414J/2HH Fan Parameters

Model Number: 414J/2HH

Part Number: 9291906015

Manufacturer: ebmpapst

Type: DC Axial Fan (with Speed Signal)

Dimensions: 40.0 x 40.0 x 25.0 mm

Weight: 50 g

Bearing Type: Ball bearing

Nominal Voltage: 24 V DC

Voltage Range: 18.0 - 28.0 V DC

Max. Power Consumption: 3.6 W

Max. Current Draw: 0.15 A (150 mA)

Starting Current: 850 mA

Rated Speed: 13000 RPM

Max. Air Flow: 22.4 CFM (38.0 m³/h)

Max. Static Pressure: 360 Pa (1.45 inH₂O)

Speed Signal: Open Collector (Tachometer output for speed monitoring)

Motor Protection: Auto-restart and reverse polarity protection

Electrical Hookup: 3 lead wires (Red: +UB, Blue: GND, White: Speed Signal)

Wire Length: 310 mm (24 AWG)

Number of Blades: 5

Direction of Rotation: Clockwise (viewed toward rotor)

Airflow Direction: Exhaust over struts

Housing Material: Glass-fiber reinforced PBT plastic

Impeller Material: Glass-fiber reinforced PA plastic

Operation Mode: S1 (Continuous operation)

Sound Power Level: 6.2 bel(A)

Sound Pressure Level: 54.0 dB(A)

Service Life (L10): 62,500 h (at 40 °C) / 35,000 h (at 70 °C)

Operating Temperature: -20 - +70 °C

Storage Temperature: -40 - +80 °C

Standard Compliance: DIN EN 60335-1; CE

Approval Agency: VDE; CSA; UL

Application

The ebmpapst 414J/2HH DC fan is the primary cooling component for high-density server racks, power supply modules, and Siemens SINAMICS drive systems requiring active tachometer speed monitoring.

Product Images









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