

3412N/2HH ebmpapst 12V 0.24A 92x92x25mm DC Axial Fan

SKU: 3412N/2HH

Price: \$49.99

Categories: Fans

Tags: ebmpapst

Product Link:

<https://www.electspares.com/product/3412n-2hh-ebmpapst-12v-0-24a-92x92x25mm-dc-axial-fan/>

Product Description

The ebmpapst 3412N/2HH (9292506366) is a high-performance 12 V DC Axial Fan with dimensions of 92 x 92 x 25 mm, specifically engineered for critical thermal management in Siemens drive systems and industrial control units. This unit is equipped with an integrated Speed Signal (Tachometer) output, allowing for continuous real-time monitoring of the fan's rotational speed. Driven by an electronically commutated external rotor motor with auto-restart locked-rotor and reverse polarity protection, it provides a precise Max. Power Consumption of 2.9 W and a Max. Current Draw of 0.24 A at 12 V DC. Operating at a rated speed of 3250 RPM, it delivers a powerful airflow of 102.0 m³/h (60.0 CFM) to ensure optimal heat dissipation. Constructed with a glass-fiber reinforced PBT plastic housing and a 3-blade impeller featuring precision ball bearings, this 100 g unit ensures maximum cooling efficiency and long-term mechanical stability for integrated industrial switchgear systems at the end.

3412N/2HH Fan Parameters

Model Number: 3412N/2HH

Part Number: 9292506366

Manufacturer: ebmpapst

Type: DC Axial Fan (with Speed Signal)

Dimensions: 92.0 x 92.0 x 25.0 mm

Weight: 100 g

Bearing Type: Ball bearing

Nominal Voltage: 12 V DC

Voltage Range: 8.0 - 13.2 V DC

Max. Power Consumption: 2.9 W

Max. Current Draw: 0.24 A (240 mA)

Starting Current: 760 mA
Rated Speed: 3250 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)
Working Air Flow: 102.0 m³/h (60.0 CFM)
Static Pressure Increase: 65 Pa (0.26 inH₂O)
Speed Signal: Open Collector (Tachometer output)
Motor Protection: Auto-restart locked rotor and reverse polarity protection
Insulation Class: Class E
Electrical Hookup: 3 lead wires (Red: +UB, Blue: GND, White: Speed Signal)
Wire Length: 310 mm (24 AWG)
Number of Blades: 7
Direction of Rotation: Counter-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: 5.1 bel(A)
Sound Pressure Level: 39.0 dB(A)
Service Life (L10): 70,000 h (at 40 °C) / 45,000 h (at 70 °C)
Operating Temperature: -20 - +70 °C
Storage Temperature: -40 - +85 °C
Standard Compliance: DIN EN 60335-1; CE; EAC
Approval Agency: VDE; CSA; UL

Application

The ebmpapst 3412N/2HH DC fan is the primary cooling component for industrial frequency converters, power supply modules, and high-density electronic enclosures requiring active speed feedback.

Product Images









Scan for product details:

