

4114NH4 ebmpapst 24V 1.25A 119x119x38mm DC Axial Fan

SKU: 4114NH4

Price: \$109.14

Categories: Fans

Tags: ebmpapst

Product Link:

<https://www.electspares.com/product/4114nh4-ebmpapst-24v-1-25a-119x119x38mm-dc-axial-fan/>

Product Description

The ebmpapst 4114NH4 (VUCF119YJJPS/9694300257) is a high-performance 24 V DC Axial Fan with dimensions of 119 x 119 x 38 mm, specifically engineered for critical thermal management in Siemens Industrial Frequency Converters and high-power VFD cooling systems. Driven by an electronically commutated external rotor motor with integrated auto-restart locked-rotor protection and reverse polarity protection, this unit provides a substantial Max. Power Consumption of 30.0 W and a Max. Current Draw of 1.25 A at 24 V DC. Operating at an elevated rated speed of 6800 RPM, it delivers a powerful airflow of 350.0 m³/h (206.0 CFM) for efficient heat extraction in high-density electronic environments. Constructed with a heavy-duty die-cast aluminum metal housing and a 5-blade glass-fiber reinforced plastic impeller featuring precision dual ball bearings, this 390 g unit provides a dependable air-moving solution with a sound power level of 7.4 bel(A), ensuring maximum cooling performance and long-term mechanical stability for high-power inverters and integrated industrial switchgear systems at the end.

4114NH4 Fan Parameters

Model Number: 4114NH4

New Type: VUCF119YJJPS

Part Number: 9694300257

Manufacturer: ebmpapst

Type: DC Axial Fan

Dimensions: 119.0 x 119.0 x 38.0 mm

Weight: 390 g

Bearing Type: Ball bearing

Nominal Voltage: 24 V DC

Voltage Range: 16.0 - 30.0 V DC

Max. Power Consumption: 30.0 W
Max. Current Draw: 1.25 A (1250 mA)
Starting Current: 3.20 A
Rated Speed: 6800 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: 350.0 m³/h (206.0 CFM)
Static Pressure Increase: 400 Pa (1.61 inH₂O)
Sound Power Level: 7.4 bel(A)
Sound Pressure Level: 67.0 dB(A)
Motor Protection: Auto-restart locked rotor and reverse polarity protection
Insulation Class: Class E
Electrical Hookup: 2 lead wires (Red: +UB, Blue: GND)
Number of Blades: 5
Direction of Rotation: Clockwise (viewed toward rotor)
Airflow Direction: Intake over struts
Housing Material: Metal
Impeller Material: Glass-fiber reinforced PA plastic
Operation Mode: S1 (Continuous operation)
Service Life (L10): 62,500 h (at 40 °C) / 35,000 h (at 65 °C)
Operating Temperature: -20 - +65 °C
Storage Temperature: -40 - +80 °C
Standard Compliance: DIN EN ISO 5801; DIN EN 60335
Approval Agency: VDE; UL; CSA; CE; EAC

Application

The ebmpapst 4114NH4 DC fan is the primary cooling component for high-performance Siemens SINAMICS drive systems, specialized industrial frequency converters, and high-capacity VFD cabinets.

Product Images









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