

4118NHH ebmpapst 48V 0.25A 119x119x38mm DC Axial Fan

SKU: 4118NHH

Price: \$95.71

Categories: Fans

Tags: ebmpapst

Product Link:

<https://www.electspares.com/product/4118nhh-ebmpapst-48v-0-25a-119x119x38mm-dc-axial-fan/>

Product Description

The ebmpapst 4118NHH is a high-performance 48VDC DC Axial Fan with dimensions of 119 x 119 x 38 mm, specifically engineered for mission-critical cooling in Industrial Frequency Converters. Driven by a brushless external rotor motor (VUC0119YUJBS) with maintenance-free ball bearings, this 0.39 kg unit operates at 48 VDC delivering a Max. Power Consumption of 12.0 W and a Max. Current Draw of 0.25 A at a rated speed of 5000 RPM. This High-performance unit achieves a Max. Air Flow of 153.0 CFM (260.0 m³/h / 4.33 m³/min) and a Max. Static Pressure of 20.39 mmH₂O (200.0 Pa / 0.80 inAq). This aluminum-framed unit is optimized for industrial VFD systems requiring long-term reliability and high-static pressure at the end.

4118NHH Fan Parameters

Model Number: 4118NHH

Article Number: 9694300226

Identification Code: VUC0119YUJBS

Manufacturer: ebmpapst

Type: DC Axial Fan

Dimensions: 119 x 119 x 38 mm

Weight: 0.39 kg

Bearing Type: Ball bearing

Nominal Voltage: 48 VDC

Voltage Range: 36.0 - 60.0 VDC

Connection Type: 2-wire (Leads AWG 22, TR 64)

Max. Current Draw: 0.25 A

Max. Power Consumption: 12.0 W

Rated Speed: 5000 RPM

Max. Air Flow: 153.0 CFM (260.0 m³/h / 4.33 m³/min)

Max. Static Pressure: 20.39 mmH₂O (200.0 Pa / 0.80 inAq)

Working Air Flow: 260.0 m³/h

Static Pressure Increase: 200.0 Pa

Sound Pressure Level: 60.0 dB(A)

Motor Protection: Electronic blocking / Reverse polarity protection

Service Life (L10): 70,000 h (40 °C) / 52,500 h (65 °C)

Degree of Protection: IP20

Housing Material: Die-cast aluminum

Impeller Material: Glass-fiber reinforced PA plastic

Ambient Temperature (Max.): 65 °C

Min. Operating Temperature: -20 °C

Standard Compliance: CE; EAC; UL; VDE; CSA; CCC

Application

The ebmpapst 4118NHH axial fan is the primary cooling component for industrial frequency converters and high-density power modules requiring robust metal housing and high-static pressure.

Product Images





9694300226
VUCF119YKJNS 4118 NHH
48V DC 0.25A 12W 5000r/min
(36V - 60V DC)
+UB: RD 红 -GND: BU 蓝
ST1
永磁直流电动机 Ins. Cl. E 级 EP

ebm-papst St. Georgen GmbH & Co. KG 制造商
Hermann-Papst-Straße 1 - 78112 St. Georgen
Hungary (V) 匈牙利制造 04.24
UL US VDE CCC CE EAC UK CA

9694300226
VUCF119YKJNS 4118 NHH
48V DC 0.25A 12W 5000r/min
(36V - 60V DC)

+UB: RD 红 -GND: BU 蓝
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