

4414FNH-184 ebmpapst 24V 119x119x25mm DC Axial Fan

SKU: 4414FNH

Price: \$89.99

Categories: Fans

Tags: ebmpapst

Product Link:

<https://www.electspares.com/product/4414fnh-184-ebmpapst-24v-119x119x25mm-dc-axial-fan/>

Product Description

The ebmpapst 4414FNH-184 is a high-performance 24VDC DC Axial Fan with dimensions of 119 x 119 x 25 mm, featuring a 7-blade high-pressure impeller. Specifically engineered for mission-critical cooling in industrial frequency converters and heavy-duty vehicle electronics, this 119 mm unit is driven by a brushless DC motor with maintenance-free ball bearings and a 2-wire lead wire connection. Operating on a 24 VDC supply (voltage range 18.0 - 26.4 VDC), it delivers a Max. Power Consumption of 12.0 W and a Max. Current Draw of 500 mA at a rated speed of 5400 RPM. This unit provides a Max. Air Flow of 132.4 CFM (225.0 m³/h / 3.75 m³/min) and a Sound Power Level of 6.7 Bel. Featuring a glass-fiber reinforced PBT plastic housing and a glass-fiber reinforced PA plastic impeller (UL 94V-0), it ensures superior thermal management with a weight of 0.240 kg and an extended service life in continuous S1 environments at the end.

4414FNH-184 Fan Parameters

Model Number: 4414FNH-184

Manufacturer: ebmpapst

Type: DC Axial Fan

Dimensions: 119 x 119 x 25 mm

Weight: 0.240 kg

Bearing Type: Ball bearing

Nominal Voltage: 24 VDC

Voltage Range: 18.0 - 26.4 VDC

Current Draw: 500 mA

Max. Power Consumption: 12.0 W

Rated Speed: 5400 RPM

Max. Air Flow: 132.4 CFM (225.0 m³/h / 3.75 m³/min)

Sound Power Level: 6.7 Bel

Sound Pressure Level: 55.0 dB(A)

Number of Blades: 7

Housing Material: Glass-fiber reinforced PBT plastic

Impeller Material: Glass-fiber reinforced PA plastic

Direction of Rotation: Counterclockwise (viewed toward rotor)

Airflow Direction: Exhaust over struts

Motor Protection: Protection against reverse polarity and blocked rotor

Connection: 2-Wire Lead Wires (AWG 22, TR 64, stripped and tin-plated)

Insulation Class: "E"

Mode: S1

Protection Class: III

Max. Ambient Temperature: 70 °C

Min. Ambient Temperature: -20 °C

Service Life L10: 60,000 h at 40 °C / 30,000 h at 70 °C

Standard Compliance: VDE; CSA; UL; CE

Application

The ebmpapst 4414FNH-184 fan is the primary cooling component for industrial frequency converters, automotive radiator ventilation, and high-density electrical cabinets requiring 24V DC axial airflow via a high-velocity 7-blade configuration.

Product Images







Scan for product details:

