

7218N ebmpapst 48VDC 0.25A 12W 150x55mm DC Axial Fan

SKU: 7218N

Price: \$187.13

Categories: Fans

Tags: ebmpapst

Product Link:

<https://www.electspares.com/product/7218n-ebmpapst-48vdc-0-25a-12w-150x55mm-dc-axial-fan/>

Product Description

The ebmpapst 7218N is a high-performance 48 VDC DC Axial Fan with a diameter of 150.0 mm and a depth of 55.0 mm, specifically engineered for demanding thermal management in industrial frequency converters and electrical control cabinets. Driven by a robust brushless DC motor with integrated electronic protection, this unit provides a precise power consumption of 12.0 W and a nominal current of 0.25 A at 48 VDC. Operating at a rated speed of 3050 RPM, it delivers a powerful airflow of 360 m³/h for efficient heat extraction. Constructed with a durable die-cast aluminum metal housing and a 5-blade high-strength plastic impeller featuring a precision ball bearing system, this 0.725 kg unit provides a dependable air-moving solution with a noise level of 53 dB(A) and IP20 protection, ensuring maximum cooling performance and long-term mechanical stability for high-power inverters, variable frequency drives (VFD), and integrated electrical switchgear systems at the end.

7218N Fan Parameters

Model Number: 7218N

Manufacturer: ebmpapst

Product Code: 9295414402 (VWS0144XULCS)

Type: DC Axial Fan

Impeller Size: 150.0 mm

Dimensions: 150.0 x 150.0 x 55.0 mm

Weight: 0.725 kg

Bearing Type: Ball bearing

Nominal Voltage: 48 VDC

Voltage Range: 24.0 - 60.0 VDC

Nominal Power Consumption: 12.0 W

Nominal Current Draw: 0.25 A
Rated Speed: 3050 RPM
Max. Air Flow: 62.23 CFM (105.7 m³/h / 1.76 m³/min)
Max. Static Pressure: 16.31 mmH₂O (160 Pa / 0.64 inH₂O)
Working Air Flow: 360 m³/h
Static Pressure Increase: 160 Pa
Motor Protection: Locked-rotor and reverse polarity protection
Insulation Class: Class E
Electrical Hookup: 2 lead wires
Number of Blades: 5
Direction of Rotation: Clockwise (viewed toward rotor)
Airflow Direction: Exhaust over struts (Direction "V")
Housing Material: Metal (Die-cast aluminum)
Impeller Material: Plastic (PA reinforced)
Operation Mode: S1 (Continuous operation)
Sound Power Level: 6.2 B
Sound Pressure Level: 53 dB(A)
Service Life (L10): 80,000 h (at 40 °C)
Operating Temperature: -25 - +72 °C
Storage Temperature: -40 - +80 °C
Degree of Protection: IP20
Standard Compliance: EN 60335-1; CE
Approval Agency: VDE; CSA; UL; CCC; EAC

Application

The ebmpapst 7218N DC fan is primarily utilized in industrial frequency converters, power inverters, and electrical control cabinet heat dissipation systems for efficient exhaust and cooling.

Product Images







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