

4312U ebmpapst 12V 0.5A 119x119x32mm DC Axial Fan

SKU: 4312U

Price: \$99.57

Categories: Fans

Tags: ebmpapst

Product Link:

<https://www.electspares.com/product/4312u-ebmpapst-12v-0-5a-119x119x32mm-dc-axial-fan/>

Product Description

The ebmpapst 4312U is a high-performance 12VDC IP68-rated DC Axial Fan with dimensions of 119 x 119 x 32 mm, featuring a robust glass-fiber reinforced PBT housing and a 112 mm 5-blade PA impeller, specifically engineered for mission-critical cooling in Industrial Frequency Converters. Driven by an electronically commutated external rotor motor with maintenance-free ball bearings, this 0.260 kg unit operates at 12 VDC delivering a Max. Power Consumption of 6.0 W and a Max. Current Draw of 0.5 A at a rated speed of 2800 RPM. This High-performance unit achieves a Max. Air Flow of 100.0 CFM (170.0 m³/h / 2.83 m³/min) and a Max. Static Pressure of 7.95 mmH₂O (78.0 Pa / 0.31 inAq). Fully encapsulated with IP68 protection for continuous immersion and dust-tight performance, this 5-blade unit is optimized for environments requiring extreme reliability and high-static pressure in industrial VFD systems at the end.

4312U Fan Parameters

Model Number: 4312U

Article Number: 9294305399

Manufacturer: ebmpapst

Type: DC Axial Fan

Impeller Size: 112 mm

Dimensions: 119 x 119 x 32 mm

Weight: 0.260 kg

Bearing Type: Ball bearing

Nominal Voltage: 12 VDC

Voltage Range: 6.0 - 15.0 VDC

Connection Type: 2-wire (Leads AWG 22, 310 mm)

Max. Current Draw: 0.5 A

Max. Power Consumption: 6.0 W

Rated Speed: 2800 RPM

Max. Air Flow: 100.0 CFM (170.0 m³/h / 2.83 m³/min)

Max. Static Pressure: 7.95 mmH₂O (78.0 Pa / 0.31 inAq)

Working Air Flow: 170.0 m³/h

Static Pressure Increase: 78.0 Pa

Number of Blades: 5

Sound Power Level: 5.8 Bel(A)

Sound Pressure Level: 45.0 dB(A)

Motor Protection: Locked rotor / Reverse polarity protection

Service Life (L10): 65,000 h (40 °C) / 35,000 h (65 °C)

Degree of Protection: IP68

Housing Material: Plastic (PBT)

Impeller Material: Plastic (PA)

Direction of Rotation: Clockwise (viewed toward rotor)

Airflow Direction: Intake over struts

Ambient Temperature (Max.): 65 °C

Min. Operating Temperature: -20 °C

Standard Compliance: CE; UL; VDE

Application

The ebmpapst 4312U axial fan is the primary cooling component for industrial frequency converters and outdoor power systems requiring IP68-rated waterproof protection and long-term reliability.

Product Images









Scan for product details:

