

4856ZWU ebmpapst 230V 119x119x38mm AC Axial Fan

SKU: 4856ZWU

Price: \$97.14

Categories: Fans

Tags: ebmpapst

Product Link:

<https://www.electspares.com/product/4856zwu-ebmpapst-230v-119x119x38mm-ac-axial-fan/>

Product Description

The ebmpapst 4856ZWU (Part No. 9244014912) is a specialized 230 V AC axial fan from the VWC0119XQHCS series, featuring a 119 mm all-metal construction for extreme durability. Driven by a precision-engineered shaded-pole motor, this unit is optimized for consistent air displacement with a low power output of 0.54-0.65 W while maintaining a steady 1700-1800 RPM. The "WU" designation and IP65 rating signify ultra-protection, utilizing an encapsulated motor design that ensures reliable performance in environments prone to dust and water jets. With a robust die-cast aluminum housing and sheet steel impeller, it provides excellent thermal dissipation and structural integrity. This industrial-grade cooling solution is specifically designed for long-life operation in outdoor cabinets, refrigeration units, and marine applications across a wide ambient temperature range from -40 °C to 75 °C.

4856ZWU Fan Parameters

Model Number: 4856ZWU

Part Number: 9244014912

Series Reference: VWC0119XQHCS

Manufacturer: ebmpapst

Series: 4800 Z Series

Type: AC Axial Fan

Size: 119 mm

Dimensions: 119 x 119 x 38 mm

Bearing Type: Ball Bearing

Nominal Voltage: 230 VAC

Voltage Range: 220 - 240 VAC

Phase: 1~

Frequency: 50 / 60 Hz

Weight: 0.54 kg

Power Consumption (Input): 13.0 W (50 Hz) / 12.0 W (60 Hz)

Power Output: 0.54 W (50 Hz) / 0.65 W (60 Hz)

Nominal Current: 80 mA (50 Hz) / 70 mA (60 Hz)

Speed: 1700 RPM (50 Hz) / 1800 RPM (60 Hz)

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)

Motor Design: Shaded-pole motor with external rotor

Motor Protection: Impedance protected

Insulation Class: Class B

Touch Current: < 0.75 mA

Electrical Hookup: 2 flat plugs 2.8 x 0.5 mm

Number of Blades: 5

Direction of Rotation: Clockwise, viewed toward rotor

Airflow Direction: Exhaust over struts

Impeller Material: Sheet steel, painted black

Housing Material: Die-cast aluminum, painted black

Installation Position: Any

Degree of Protection: IP65

Operating Temperature: -40 - +75 °C

Service Life (L10 @ 40 °C): 50000 h

Standard Compliance: EN 60335-1, CE

Approval Agency: VDE, UL, CSA, CCC

Application

The ebmpapst 4856ZWU axial fan is primarily utilized in outdoor telecommunications cabinets, deep-freezing refrigeration systems, marine electronics, industrial equipment in high-humidity areas, and medical laboratory ventilation.

Product Images





