

W2K121-AA15-16(5908) ebmpapst 115V 127x127x38mm AC Axial Fan

SKU: W2K121-AA15-16

Price: \$113.14

Categories: Fans

Tags: ebmpapst

Product Link:

<https://www.electspares.com/product/w2k121-aa15-165908-ebmpapst-115v-127x127x38mm-ac-axial-fan/>

Product Description

The ebmpapst W2K121-AA15-16(5908) is a high-performance 115 VAC AC Axial Fan with dimensions of 127 x 127 x 38 mm, specifically engineered for precision thermal management in industrial frequency converters and electrical control cabinets. Driven by a robust single-phase shaded-pole motor with a power consumption of 18.0 W at 50 Hz and 17.0 W at 60 Hz, this precision unit operates at a rated speed of 3100 RPM, delivering a powerful airflow of 206 m³/h for efficient heat extraction. Constructed with a ruggedized die-cast aluminum housing and a 5-blade glass-fiber reinforced PA plastic impeller system featuring high-precision ball bearings and a 2-flat plug electrical interface, this 0.570 kg unit provides a dependable and energy-efficient air-moving solution with impedance protection, ensuring maximum cooling performance and a service life of 42,500 hours (L10 at 40 °C) for high-power inverters, variable frequency drives (VFD), and integrated electrical switchgear systems at the end.

W2K121-AA15-16(5908) Fan Parameters

Model Number: W2K121-AA15-16(5908)

Manufacturer: ebmpapst

Series: 5900 Series

Type: AC Axial Fan

Impeller Size: 121 mm

Dimensions: 127 x 127 x 38 mm

Weight: 0.570 kg

Bearing Type: Ball bearing

Nominal Voltage: 115 VAC

Voltage Range: 100 - 125 VAC

Frequency: 50 / 60 Hz

Power Consumption: 18.0 W (50 Hz) / 17.0 W (60 Hz)

Nominal Current: 0.21 A

Speed: 2800 RPM (50 Hz) / 3100 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)

Actual Air Flow: 180.0 m³/h (50 Hz) / 206.0 m³/h (60 Hz)

Sound Power Level: 5.8 B

Sound Pressure Level: 47 dB(A)

Motor Protection: Impedance protected

Insulation Class: Class B

Electrical Hookup: 2 flat plugs 2.8 x 0.5 mm (Housing with M4 x 6 grounding lug)

Number of Blades: 5

Direction of Rotation: Counter-clockwise, viewed toward rotor

Airflow Direction: Exhaust over struts

Housing Material: Die-cast aluminum

Impeller Material: Glass-fiber reinforced PA plastic

Installation Position: Any

Operating Temperature: -30 - +75 °C

Storage Temperature: -40 - +80 °C

Service Life L10: 42,500 h at 40 °C / 20,000 h at 75 °C

Standard Compliance: EN 60335-1; CE

Approval Agency: VDE; CSA; UL

Application

The ebmpapst W2K121-AA15-16(5908) AC fan is primarily utilized in industrial frequency converters, power inverters, and electrical control cabinet heat dissipation systems.

Product Images









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