

4660N ebmpapst 115/230V 119mm AC Axial Fan

SKU: 4660N

Price: \$52.50

Categories: Fans

Tags: ebmpapst

Product Link:

<https://www.electspares.com/product/4660n-ebmpapst-115-230v-119mm-ac-axial-fan/>

Product Description

The ebmpapst 4660N is a high-performance DC Axial Fan with dimensions of 119 x 119 x 38 mm. This versatile AC axial fan features a dual-voltage, multi-frequency design capable of operating at both 115 VAC and 230 VAC (50/60 Hz) through flexible wiring configurations. Built with a heavy-duty die-cast aluminum housing and a sheet steel impeller, it delivers a maximum airflow of 100.0 CFM (170 m³/h) at 60 Hz. The fan utilizes a precision sleeve bearing system and an impedance-protected external rotor motor, ensuring reliable cooling in demanding industrial environments. It is an ideal thermal solution for control cabinets, power supplies, and high-density electronic racks that require a rugged, all-metal construction and adaptable electrical compatibility.

4660N Fan Parameters

Manufacturer: ebmpapst

Model Number: 4660N

Type: DC Axial Fan

Dimensions: 119 x 119 x 38 mm

Nominal Voltage: 115 / 230 VAC

Operating Voltage Range: 103.5 to 126.5 V / 207 to 253 V

Frequency: 50 / 60 Hz

Speed: 2600 / 3100 RPM

Power Input: 19.0 / 18.0 W

Rated Current (115V): 235 mA (50 Hz) / 230 mA (60 Hz)

Rated Current (230V): 120 mA (50 Hz) / 115 mA (60 Hz)

Max. Airflow: 86.0 CFM (146 m³/h) / 100.0 CFM (170 m³/h)

Max. Static Pressure: 90 Pa (0.36 inAq)

Noise Level: 44.0 / 48.0 dB(A)

Sound Power Level: 5.4 / 5.7 B

Weight: 550 g

Impeller Size: 110 mm

Termination: 2 Wire Leads

Bearing Type: Sleeve bearing

Housing Material: Metal (Die-cast aluminum)

Impeller Material: Metal (Sheet steel, painted black)

Direction of Rotation: Clockwise (viewed toward rotor)

Airflow Direction: Air intake over struts

Mounting Position: Any

Insulation Class: B

Life Expectancy (L10): 37,500 h (50 Hz) / 40,000 h (60 Hz) at 40 °C

Safety Protections: Impedance protection against locked rotor

Approvals: VDE, CSA, UL, CE, CCC

Application

The 4660N is specialized for high-durability industrial cooling where electrical flexibility is paramount. Its ability to operate across multiple voltages and frequencies makes it a standard component for globally exported machinery, such as industrial control panels, medical imaging systems, and large-scale power conversion units. The all-metal construction provides excellent heat dissipation and fire resistance, while the sleeve bearing ensures smooth operation in both vertical and horizontal orientations. Its high static pressure capability is particularly effective for pushing air through restrictive filters or dense electronic heat sinks in server environments and telecommunication base stations.

Product Images









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