

# 4606N ebmpapst 115VAC 119x119x38mm AC Axial Fan

**SKU:** 4606N

**Price:** \$39.86

**Categories:** Fans

**Tags:** ebmpapst

**Product Link:**

<https://www.electspares.com/product/4606n-ebmpapst-115vac-119x119x38mm-ac-axial-fan/>

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## Product Description

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The ebmpapst 4606N is a high-performance 115VAC single-phase AC Axial Fan with dimensions of 119 x 119 x 38 mm, featuring a 5-blade sheet steel impeller design. Specifically engineered for mission-critical cooling in industrial control cabinets and electronic enclosures, this 119 mm unit is driven by a shaded-pole motor with maintenance-free ball bearings. Operating on a 115 VAC supply, it delivers a Power Input of 19 W (50 Hz) / 18 W (60 Hz) and a Current Draw of 0.23 A / 0.21 A at a rated speed of 2650 / 3100 RPM. This unit provides a Max. Air Flow of 105.9 CFM (180.0 m<sup>3</sup>/h / 3.00 m<sup>3</sup>/min) and a Max. Static Pressure of 12.24 mmH<sub>2</sub>O (120.0 Pa / 0.48 inAq). Featuring a rugged die-cast aluminum housing and an IP20 protection rating, it ensures superior thermal management and an extended service life in continuous S1 environments at the end.

4606N Fan Parameters

Model Number: 4606N

Manufacturer: ebmpapst

Type: AC Axial Fan

Dimensions: 119 x 119 x 38 mm

Weight: 550 g

Bearing Type: Ball bearing

Nominal Voltage: 115 VAC

Phase: 1~

Frequency: 50 / 60 Hz

Current Draw: 0.23 / 0.21 A

Power Input: 19 / 18 W

Power Output: 5.7 / 5.4 W

Rated Speed: 2650 / 3100 RPM

Max. Air Flow: 94.2 / 105.9 CFM (160.0 / 180.0 m<sup>3</sup>/h / 2.67 / 3.00 m<sup>3</sup>/min)

Max. Static Pressure: 10.20 / 12.24 mmH<sub>2</sub>O (100.0 / 120.0 Pa / 0.40 / 0.48 inAq)

Noise Level: 45 / 51 dB(A)

Sound Power Level: 5.4 / 5.9 Bel

Number of Blades: 5

Impeller Material: Sheet steel, painted black

Housing Material: Die-cast aluminum

Direction of Rotation: Clockwise (viewed toward rotor)

Direction of Airflow: Exhaust over struts

Insulation Class: "B"

Degree of Protection: IP20

Motor Protection: Impedance protected

Connection: 2 Flat terminals (2.8 x 0.5 mm)

Mode: S1

Protection Class: I

Operating Temperature: -40 to +85 °C (60 Hz) / -40 to +75 °C (50 Hz)

Standard Compliance: VDE; CSA; UL; CE

#### Application

The ebmpapst 4606N fan is the primary cooling component for industrial automation systems, high-power power supplies, and telecommunication racks requiring reliable 115V AC axial airflow via a high-strength 5-blade configuration.

## Product Images

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Scan for product details:

