

# A2E250-AM06-01 ebmpapst 230V 250mm 2600RPM AC Axial Fan

**SKU:** A2E250-AM06-01

**Price:** \$293.12

**Categories:** Fans

**Tags:** ebmpapst

**Product Link:**

<https://www.electspares.com/product/a2e250-am06-01-ebmpapst-230v-250mm-2600rpm-ac-axial-fan/>

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## Product Description

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The ebmpapst A2E250-AM06-01 is a high-performance 230VAC single-phase AC Axial Fan featuring 7 blades with a robust Impeller Size of 250 mm. Driven by the M2E068-CF external rotor motor with maintenance-free ball bearings and a 3  $\mu$ F / 400 VDB capacitor, this unit is specifically engineered for mission-critical industrial ventilation, refrigeration condensers, and air conditioning applications. Operating on a 230 VAC supply, it delivers a Power Consumption of 115 W / 150 W and a Current Draw of 0.51 A / 0.66 A at rated speeds of 2450 / 2600 RPM. Featuring a rugged sheet steel construction with a black-painted finish and an internally connected thermal overload protector, it ensures superior aerodynamic efficiency, durability, and reliable continuous S1 operation in demanding HVAC environments at the end.

A2E250-AM06-01 Fan Parameters

Model Number: A2E250-AM06-01

Motor Model: M2E068-CF

Manufacturer: ebmpapst

Type: AC Axial Fan

Impeller Size: 250 mm

Dimensions:  $\varnothing$  250 x 72 mm

Weight: 1.9 kg

Bearing Type: Ball bearing

Nominal Voltage: 230 VAC

Phase: 1~

Frequency: 50 / 60 Hz

Method of Obtaining Data: fa (Free air)

Current Draw: 0.51 / 0.66 A

Starting Current: 0.88 / 0.87 A

Power Consumption: 115 / 150 W

Rated Speed: 2450 / 2600 RPM

Max. Air Flow: 971.2 / 1030.0 CFM (1650.0 / 1750.0 m<sup>3</sup>/h / 27.50 / 29.17 m<sup>3</sup>/min)

Max. Back Pressure: 12.24 / 8.67 mmH<sub>2</sub>O (120.0 / 85.0 Pa / 0.48 / 0.34 inAq)

Capacitor: 3.0 µF / 400 VDB (S0 / CE standard)

Blade Material: Sheet steel, painted black

Rotor Surface: Painted black

Number of Blades: 7

Airflow Direction: "A"

Direction of Rotation: Counter-clockwise (viewed toward rotor)

Insulation Class: "B"

Degree of Protection: IP44

Moisture (F) / Environmental (H) Protection Class: H1

Touch Current: < 0.75 mA (acc. IEC 60990, Fig. 4, TN system)

Motor Protection: Thermal overload protector (TOP) internally connected

Condensation Drainage Holes: On rotor side

With Cable: Variable

Installation Position: Shaft horizontal or rotor on bottom; rotor on top on request

Mode: S1 (Continuous operation)

Protection Class: I (with customer connection of protective earth)

Max. Ambient Temperature: 65 / 50 °C

Min. Ambient Temperature: -25 °C

Max. Storage Temperature: +80 °C

Min. Storage Temperature: -40 °C

Standard Compliance: EN 60335-1; CE

Approval: EAC

#### Application

The ebmpapst A2E250-AM06-01 axial fan is the primary cooling solution for refrigeration condensers, industrial dry coolers, and heat pump evaporators requiring robust 230V single-phase axial airflow in a 250mm configuration.

## Product Images

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Scan for product details:

