

A2E250-AE65-02 ebmpapst 230V 250mm AC Axial Fan

SKU: A2E250-AE65-02

Price: \$216.99

Categories: Fans

Tags: ebmpapst

Product Link:

<https://www.electspares.com/product/a2e250-ae65-02-ebmpapst-230v-250mm-ac-axial-fan/>

Product Description

The ebmpapst A2E250-AE65-02 is a high-performance 230VAC single-phase AC Axial Fan featuring 5 straight blades with a robust Impeller Size of 250 mm. Driven by the M2E068-DF external rotor motor with maintenance-free ball bearings and a 4 μ F / 400 VDB capacitor, this unit is specifically engineered for mission-critical heat exchangers, air conditioning units, and industrial cooling applications. Operating on a 230 VAC supply, it delivers a Power Input of 115 W / 165 W and a Current Draw of 0.51 A / 0.74 A at rated speeds of 2550 / 2750 RPM. Featuring a rugged sheet steel construction with a black-coated finish, it ensures superior aerodynamic efficiency, high static pressure capability (150 Pa), and reliable continuous S1 operation at the end.

A2E250-AE65-02 Fan Parameters

Model Number: A2E250-AE65-02

Motor Model: M2E068-DF

Manufacturer: ebmpapst

Type: AC Axial Fan - 5 Straight blades

Impeller Size: 250 mm

Dimensions: \varnothing 250 x 82.5 mm

Weight: 2.2 kg

Bearing Type: Ball bearing

Nominal Voltage: 230 VAC

Phase: 1~

Frequency: 50 / 60 Hz

Method of Obtaining Data: rfa (Running at free air)

Current Draw: 0.51 / 0.74 A

Starting Current: 0.90 / 0.90 A

Power Input: 115 / 165 W

Rated Speed: 2550 / 2750 RPM

Max. Air Flow: 947.6 / 1024.1 CFM (1610.0 / 1740.0 m³/h / 26.83 / 29.00 m³/min)

Max. Static Pressure: 15.30 / 13.26 mmH₂O (150.0 / 130.0 Pa / 0.60 / 0.52 inAq)

Capacitor: 4.0 µF / 400 VDB (P0 standard)

Blade Material: Sheet steel, painted black

Rotor Surface: Painted black

Number of Blades: 5

Direction of Airflow: "A" (Inlet over struts)

Direction of Rotation: Clockwise (viewed toward rotor)

Insulation Class: "B"

Degree of Protection: IP44

Humidity Class: F1-2 / H1

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

Motor Protection: Thermal overload protector (TOP) wired internally

Condensation Drainage Holes: On rotor side

Cable Exit: 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: 55 / 50 °C

Min. Ambient Temperature: -25 °C

Standard Compliance: EN 60335-1; CE; UKCA

Approval: CCC; EAC; UL; VDE

Application

The ebmpapst A2E250-AE65-02 axial fan is the primary cooling solution for refrigeration condensers, heat pump evaporators, and industrial ventilation systems requiring high-volume 230V single-phase axial airflow in a 250mm configuration.

Product Images







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