

# A2D250-AI02-01 ebmpapst 230/400V 250mm AC Axial Fan

**SKU:** A2D250-AI02-01

**Price:** \$339.98

**Categories:** Fans

**Tags:** ebmpapst

**Product Link:**

<https://www.electspares.com/product/a2d250-ai02-01-ebmpapst-230-400v-250mm-ac-axial-fan/>

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## Product Description

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The ebmpapst A2D250-AI02-01 is a professional-grade 230/400 V three-phase AC axial fan featuring a 250 mm nine-blade impeller constructed from robust black-painted sheet steel. Driven by the M2D068-CF external rotor motor, this unit offers flexible wiring options with both Delta (230 VAC) and Star (400 VAC) connections to suit various industrial power grids. The aerodynamic design is optimized for "A" direction airflow (intake over struts), delivering efficient cooling with a power consumption of 100-140 W. Built for S1 continuous duty, it features premium ball bearings, IP44 protection, and Class B insulation. This compact and durable axial fan is an ideal solution for heat exchangers and industrial ventilation systems, operating reliably across an ambient temperature range of -25 °C to 65 °C (at 50Hz).

A2D250-AI02-01 Fan Parameters

Model Number: A2D250-AI02-01

Manufacturer: ebmpapst

Motor Model: M2D068-CF

Series: AC Axial Series

Type: AC Axial Fan

Size: 250 mm

Dimensions: 250 x 250 x 80 mm (Typical blade depth)

Bearing Type: Ball Bearing

Nominal Voltage: 230 / 400 VAC

Voltage Range: 220 - 240 / 380 - 415 VAC

Wiring:  $\Delta$  (Delta) / Y (Star)

Phase: 3~

Frequency: 50 / 60 Hz

Weight: 1.84 kg

Power Consumption: 100 W (50 Hz) / 140 W (60 Hz)

Nominal Current: 0.35 A (@230V 50Hz) / 0.20 A (@400V 50Hz)

Starting Current: 0.82 A (50 Hz) / 0.77 A (60 Hz)

Speed: 2500 RPM (50 Hz) / 2650 RPM (60 Hz)

Max. Air Flow: 62.23 CFM (105.7 m<sup>3</sup>/h / 1.76 m<sup>3</sup>/min)

Max. Static Pressure: 9.81 mmH<sub>2</sub>O (96.24 Pa / 0.39 inH<sub>2</sub>O)

Max. Back Pressure: 150 Pa

Motor Design: 3-phase External Rotor Motor

Motor Protection: Thermal overload protector (TOP) internally connected

Insulation Class: Class B

Touch Current: < 0.75 mA

Electrical Hookup: Lateral cable

Number of Blades: 9

Direction of Rotation: Counter-clockwise, viewed toward rotor

Airflow Direction: "A" (Air intake over struts)

Blade Material: Sheet steel, painted black

Rotor Surface: Painted black

Installation Position: Shaft horizontal or rotor on bottom

Condensate Discharge Holes: On rotor side

Degree of Protection: IP44

Environmental Protection Class: H1

Operating Temperature: -25 - +65 °C (50 Hz) / -25 - +45 °C (60 Hz)

Standard Compliance: EN 60335-1, CE

Approval Agency: EAC, CCC

#### Application

The ebmpapst A2D250-AI02-01 axial fan is primarily utilized in heat exchangers, refrigeration units, electronic cabinet cooling, ventilation systems, and industrial machinery air extraction.

## Product Images

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Scan for product details:

