

# A2D200-AI18-01 ebmpapst 400V 200mm AC Axial Fan

**SKU:** A2D200-AI18-01

**Price:** \$419.98

**Categories:** Fans

**Tags:** ebmpapst

**Product Link:**

<https://www.electspares.com/product/a2d200-ai18-01-ebmpapst-400v-200mm-ac-axial-fan/>

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## Product Description

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The ebmpapst A2D200-AI18-01 is a professional 400 V three-phase AC axial fan featuring a 200 mm nine-blade impeller constructed from robust black-coated sheet steel. Driven by the M2D068-BC external rotor motor, this unit is optimized for Star (Y) connection, delivering a powerful airflow at speeds up to 2900 RPM. The aerodynamic design is specifically engineered for "A" direction airflow (intake over struts), providing efficient cooling with a power input of 68-70 W. Built for S1 continuous duty, it features premium ball bearings, IP44 protection, and Class B insulation with an F1-2 humidity class rating. This compact and durable axial fan is an ideal solution for heat exchangers and industrial ventilation systems, operating reliably across an ambient temperature range up to 70 °C (at 60Hz).

A2D250-AI02-01 Fan Parameters

Model Number: A2D200-AI18-01

Manufacturer: ebmpapst

Motor Model: M2D068-BC

Series: AC Axial Series

Type: AC Axial Fan

Size: 200 mm

Dimensions: 200 x 200 x 78 mm (Typical depth)

Bearing Type: Ball Bearing

Nominal Voltage: 400 VAC

Voltage Range: 380 - 415 VAC

Wiring: Y (Star)

Phase: 3~

Frequency: 50 / 60 Hz

Weight: 1.6 kg

Power Consumption: 68 W (50 Hz) / 70 W (60 Hz)

Nominal Current: 0.17 A (50 Hz) / 0.13 A (60 Hz)

Speed: 2600 RPM (50 Hz) / 2900 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: 140 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, coated in black

Rotor Surface: Coated in black

Installation Position: Shaft horizontal or rotor on bottom

Condensate Discharge Holes: On rotor side

Degree of Protection: IP44

Moisture Protection Class: F1-2

Operating Temperature: -25 - +45 °C (50 Hz) / -25 - +70 °C (60 Hz)

Standard Compliance: EN 60335-1, CE

Approval Agency: CCC

#### Application

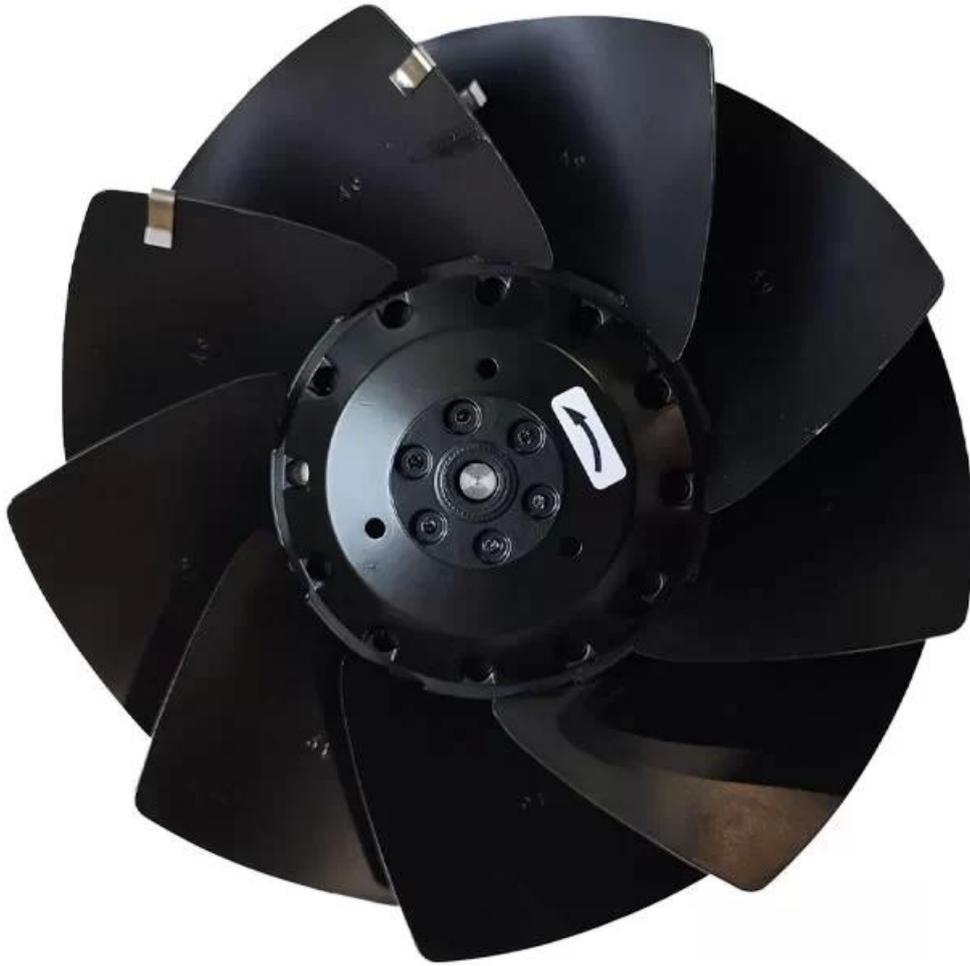
The ebmpapst A2D200-AI18-01 axial fan is primarily utilized in heat exchangers, refrigeration units, electronic cabinet cooling, ventilation systems, and industrial machinery air extraction.

## Product Images

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Scan for product details:

