

# A2D300-AD20-49 ebmpapst 230/400V AC Axial Fan

**SKU:** A2D300-AD20-49

**Price:** \$467.11

**Categories:** Fans

**Tags:** ebmpapst

**Product Link:**

<https://www.electspares.com/product/a2d300-ad20-49-ebmpapst-230-400v-ac-axial-fan/>

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## Product Description

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The ebmpapst A2D300-AD20-49 is a high-performance 400VAC three-phase AC Axial Fan from the S series, featuring 5 sickle-shaped blades with an Impeller Size of 300 mm. Specifically engineered for mission-critical cooling in industrial refrigeration and ventilation systems, this unit features overall Dimensions of 300 x 300 x 101.5 mm. Driven by the M2D068-EC external rotor motor with maintenance-free ball bearings, it supports dual-voltage operation with a Nominal Voltage of 230 VAC ( $\Delta$ ) / 400 VAC (Y). Under customer equipment conditions, it delivers a Power Consumption of 220 W (50 Hz) / 320 W (60 Hz) and a Current Draw of 0.4 A / 0.5 A (at 400 VAC) at a rated speed of 2650 / 2900 RPM. This 300 mm unit provides a Max. Air Flow of 1121.25 CFM (1905.0 m<sup>3</sup>/h / 31.75 m<sup>3</sup>/min) and a Max. Static Pressure of 15.81 mmH<sub>2</sub>O (155.0 Pa / 0.62 inAq). Featuring a rugged sheet steel impeller painted in black, it ensures superior thermal management with IP44 protection and an extended service life in continuous S1 environments at the end.

A2D300-AD20-49 Fan Parameters

Model Number: A2D300-AD20-49

Motor Model: M2D068-EC

Manufacturer: ebmpapst

Type: AC Axial Fan - Sickled blades (S series)

Impeller Size: 300 mm

Dimensions: 300 x 300 x 101.5 mm

Weight: 2.8 kg

Bearing Type: Ball bearing

Nominal Voltage: 230 / 230 / 400 / 400 VAC

Phase: 3~

Wiring:  $\Delta$  /  $\Delta$  / Y / Y  
Frequency: 50 / 60 / 50 / 60 Hz  
Method of Obtaining Data: ce (Customer equipment)  
Current Draw: 0.7 / 0.87 / 0.4 / 0.5 A  
Power Consumption: 220 / 320 / 220 / 320 W  
Rated Speed: 2650 / 2900 / 2650 / 2900 RPM  
Max. Air Flow: 1121.25 CFM (1905.0 m<sup>3</sup>/h / 31.75 m<sup>3</sup>/min)  
Max. Static Pressure: 15.81 mmH<sub>2</sub>O (155.0 Pa / 0.62 inAq)  
Starting Current: 1.5 / 1.55 / 0.86 / 0.9 A  
Number of Blades: 5  
Blade Material: Sheet steel, painted black  
Rotor Surface: Painted black  
Direction of Rotation: Clockwise (viewed toward rotor)  
Direction of Airflow: "A"  
Touch Current: < 0.75 mA  
Insulation Class: "F"  
Degree of Protection: IP44  
Moisture (F) / Environmental (H) class: H1 +  
Installation Position: Any  
Condensation Drainage Holes: None  
Mode: S1  
Protection Class: I  
Max. Ambient Temperature: 50 / 45 / 50 / 45 °C  
Min. Ambient Temperature: -25 °C  
Max. Storage Temperature: +80 °C  
Min. Storage Temperature: -40 °C  
Standard Compliance: EN 60335-1; CE  
Approval: EAC; CCC

#### Application

The ebmpapst A2D300-AD20-49 fan is the primary cooling component for industrial refrigeration condensers, heat exchangers, and ventilation units requiring 400V three-phase axial airflow with sickled blades.

## Product Images

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Scan for product details:

