

A2E300-AP02-01 ebmpapst 230V 300mm AC Axial Fan

SKU: A2E300-AP02-01

Price: \$329.69

Categories: Fans

Tags: ebmpapst

Product Link:

<https://www.electspares.com/product/a2e300-ap02-01-ebmpapst-230v-300mm-ac-axial-fan/>

Product Description

The ebmpapst A2E300-AP02-01 is a high-performance 230VAC AC Axial Fan featuring a 300 mm specialized aerodynamic sickle-shaped sheet steel impeller, specifically engineered for mission-critical cooling in Industrial Frequency Converters and specialized ventilation systems. Driven by an M2E074-DF external rotor motor with maintenance-free ball bearings and moisture protection (H1), this 3.13 kg unit operates at 230 VAC / 50/60 Hz delivering a Max. Power Consumption of 230.0 / 350.0 W and a Max. Current Draw of 1.10 / 1.55 A at a rated speed of 2700 / 3000 RPM. This High-performance unit achieves a Max. Air Flow of 2245.0 m³/h at optimum efficiency, with a Max. Static Pressure of 16.32 / 5.10 mmH₂O (160.0 / 50.0 Pa / 0.64 / 0.20 inAq). Featuring a robust construction with an integrated thermal overload protector (TOP) and black painted motor surface, this IP44-rated unit meets ErP 2015 efficiency standards (N=41.4) and is optimized for environments requiring high reliability and industrial-grade airflow in VFD systems at the end.

A2E300-AP02-01 Fan Parameters

Model Number: A2E300-AP02-01

Manufacturer: ebmpapst

Motor Model: M2E074-DF

Type: AC Axial Fan

Impeller Size: 300 mm

Weight: 3.13 kg

Origin: Germany

Bearing Type: Ball bearing

Phase: 1~

Nominal Voltage: 230 VAC

Voltage Range: 200 - 240 VAC

Connection Type: Variable cable (Customer connection)

Frequency: 50 / 60 Hz

Max. Current Draw: 1.10 / 1.55 A

Max. Power Consumption: 230.0 / 350.0 W

Starting Current: 2.2 / 2.1 A

Capacitor: 8.0 μ F / 400 VDB

Rated Speed: 2700 / 3000 RPM

Max. Air Flow: 1321.4 CFM (2245.0 m³/h / 37.42 m³/min)

Max. Static Pressure: 16.32 / 5.10 mmH₂O (160.0 / 50.0 Pa / 0.64 / 0.20 inAq)

Working Air Flow: 2245.0 m³/h

Static Pressure Increase: 143.0 / 160.0 Pa

Overall Efficiency (η_{es}): 31.6% (Efficiency grade N: 41.4)

Touch Current: < 0.75 mA

Number of Blades: 5

Direction of Air Flow: "V"

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

Motor Protection: Thermal overload protector (TOP) internally connected

Insulation Class: "F"

Moisture Protection Class: H1

Degree of Protection: IP44 (installation-dependent)

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

Operation Mode: S1 (Continuous operation)

Condensation Drainage Holes: On rotor side

Material of Impeller: Sheet steel, painted black

Surface of Rotor: Painted black

Ambient Temperature (Max.): 70 / 50 °C

Min. Operating Temperature: -25 °C

Permitted Storage Temp.: -40 °C to +80 °C

Standard Compliance: EN 60335-1; CE; CCC; EAC

Application

The ebmpapst A2E300-AP02-01 axial fan is the primary cooling component for industrial frequency converters and high-performance ventilation units requiring stable air throughput and ErP 2015 compliant efficiency in 230V environments.

Product Images









Scan for product details:

