

S4E300-AS72-45/F01 ebmpapst 230V 300mm AC Axial Fan

SKU: S4E300-AS72-45/F01

Price: \$129.99

Categories: Fans

Tags: ebmpapst

Product Link:

<https://www.electspares.com/product/s4e300-as72-45-f01-ebmpapst-230v-300mm-ac-axial-fan/>

Product Description

The ebmpapst S4E300-AS72-45/F01 is a high-performance AC Axial Fan with dimensions of 300 mm (impeller diameter). This professional-grade axial fan operates on 230 VAC (50/60 Hz) and is built with a robust 5-blade design made of sheet steel, directly welded onto the external rotor motor for exceptional mechanical stability. Delivering a maximum airflow of 1294.9 CFM (2200 m³/h) at 60 Hz, it is designed for high-volume air displacement in demanding environments. Featuring a maintenance-free ball bearing system, IP44 protection, and a net weight of 2.9 kg, this model is an ideal solution for refrigeration condensers, heat exchangers, and industrial ventilation systems that require long-term reliability and efficient thermal dissipation.

S4E300-AS72-45/F01 Fan Parameters

Manufacturer: ebmpapst

Model Number: S4E300-AS72-45/F01

Type: AC Axial Fan

Dimensions: 300 mm (Impeller Diameter)

Nominal Voltage: 230 VAC

Operating Voltage Range: 195 to 265 VAC

Frequency: 50 / 60 Hz

Speed: 1320 / 1500 RPM

Power Input: 72.0 / 90.0 W

Rated Current: 0.32 A / 0.40 A

Max. Airflow: 1159.5 CFM (1970 m³/h) / 1294.9 CFM (2200 m³/h)

Max. Static Pressure: 105 Pa (0.42 inAq) / 115 Pa (0.46 inAq)

Noise Level: 58.0 / 61.0 dB(A)

Weight: 2.9 kg

Impeller Size: 300 mm

Termination: Multi-core cable (typically 450 mm), leads stripped and tinned

Capacitance: 2.0 μ F / 400 VDB (Required for operation)

Bearing Type: Ball Bearing

Impeller Material: Sheet steel, painted black

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

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

Degree of Protection: IP44

Insulation Class: B

Humidity Class: F1-2

Operating Temp. Range: -25 °C to +50 °C

Safety Protections: Thermal overload protector (TOP) internally connected

Approvals: VDE, CE, UL, CSA, CCC, EAC

Application

The S4E300-AS72-45/F01 is specialized for large-scale industrial cooling and ventilation where high volumetric flow and mechanical durability are paramount. Its sheet-steel impeller and robust external rotor motor make it perfectly suited for outdoor condensing units, evaporators, and dry coolers in commercial refrigeration. The compact axial depth allows for easy integration into slim HVAC systems and air-cooled power electronics cabinets. With its IP44 rating and integrated thermal protection, it ensures stable and safe operation in environments such as industrial kitchens, agricultural ventilation, and machinery cooling where consistent performance under continuous duty cycles is required.

Product Images









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