

S4E450 8317078900 ebmpapst 230V 450mm AC Axial Fan

SKU: 8317078900

Price: \$199.99

Categories: Fans

Tags: ebmpapst

Product Link:

<https://www.electspares.com/product/s4e450-8317078900-ebmpapst-230v-450mm-ac-axial-fan/>

Product Description

The ebmpapst S4E450 (8317078900) is a high-performance industrial single-phase AC Axial Fan with an impeller size of 450 mm. Operating on a nominal 230 VAC, this robust air mover is powered by the specialized M4E074-GA external rotor motor. It is engineered for high-efficiency air displacement in HVAC systems, delivering a rated speed of 1400 RPM (50 Hz) or 1600 RPM (60 Hz). The S4E450 is characterized by its balanced power profile, with a maximum input of 355 W and a mechanical output of 220 W at 60 Hz, ensuring stable performance against a maximum static pressure of 85 Pa. Weighing 7.3 kg and built with a 5-blade sheet steel impeller, this unit is a mission-critical thermal management solution for 230V environments such as commercial condensers and industrial ventilation units requiring high-reliability S1 continuous operation.

8317078900 S4E450 Fan Parameters

Manufacturer: ebmpapst (Germany)

Model Number: S4E450

Part Number: 8317078900

Motor Model: M4E074-GA (AC External Rotor)

Phase: 1~

Type: AC Axial Fan

Impeller Size: 450 mm

Dimensions: 450 mm (Diameter)

Nominal Voltage: 230 VAC

Frequency: 50 / 60 Hz

Speed: 1400 RPM (50 Hz) / 1600 RPM (60 Hz)

Power Input (P1): 245 W (50 Hz) / 355 W (60 Hz)

Power Output (P2/Shaft): 150 W (50 Hz) / 220 W (60 Hz)

Rated Current: 1.10 A (50 Hz) / 1.53 A (60 Hz)

Max. Static Pressure: 85 Pa (0.34 inAq)

Weight: 7.3 kg

Bearing Type: Dual Ball Bearing (Maintenance-free)

Impeller Material: Sheet steel, painted black

Number of Blades: 5

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

Direction of Airflow: Exhaust over struts

Degree of Protection: IP44

Insulation Class: F

Motor Protection: Thermal overload protector (TOP) wired internally

Operating Temp. Range: -40 °C to +65 °C

Mode of Operation: S1 (Continuous duty)

Approvals: CE, UL, CSA, VDE, EAC

Application

The ebmpapst S4E450 (8317078900) is primarily utilized in medium-to-large scale refrigeration condensers, heat pumps, and industrial air-cooling units. Its 450 mm sheet steel impeller is specifically optimized to provide efficient airflow at 1400 RPM, balancing high air volume with moderate static pressure (85 Pa) to overcome filter or coil resistance. The M4E074-GA motor's dual-rated 50/60 Hz capability makes it ideal for global export equipment. With a robust 7.3 kg construction and internal thermal protection, the S4E450 ensures consistent, 24/7 heat rejection in 230V single-phase HVAC infrastructure, safeguarding critical components in agricultural, commercial, and industrial thermal management systems.

Product Images









Scan for product details:

