

S6E630-AN01-01/F01 ebmpapst 230VAC 630mm Axial Fan Datasheet



Brand: ebmpapst

SKU: [820403909122](#)

Category: Axial & Centrifugal Fans

Price: **\$771.99**

E-mail: sales@equipspares.com

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Product Page:

<https://www.equipspares.com/product/s6e630-an01-01-f01-ebmpapst-230vac-630mm-axial-fan>

Product Description

The ebmpapst S6E630-AN01-01/F01 is a robust industrial Axial Fan engineered for high-capacity thermal regulation systems. Utilizing an advanced single-phase AC external rotor motor, this unit delivers exceptional aerodynamic efficiency through its precision-balanced 630mm impeller. The design minimizes structural resonance while optimizing airflow dynamics, ensuring reliable operation under demanding load conditions. Featuring a durable coated steel construction, the fan maintains low thermal impedance and superior structural rigidity. Integrated thermal overload protection and maintenance-free ball bearings extend the operational lifecycle, making it a critical component for continuous-duty industrial ventilation and refrigeration applications requiring consistent static pressure and volumetric flow.

Model Number: S6E630-AN01-01/F01

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Product Type: Axial Fan

Rated Voltage: 230 VAC

Frequency: 50 / 60 Hz

Phase: 1~

Voltage Range: 207 - 253 VAC

Rated Power: 630 W (50Hz) / 860 W (60Hz)

Rated Current: 2.8 A (50Hz) / 3.8 A (60Hz)

Rated Speed: 880 RPM (50Hz) / 970 RPM (60Hz)
Max. Air Flow: 7268 CFM (12350 m³/h)
Max. Static Pressure: 0.60 inH₂O (150 Pa)
Impeller Diameter: 630mm
Bearing Type: Ball Bearing
Motor Type: External Rotor AC Motor
Capacitor: 14 µF / 400 VDB
Ingress Protection: IP54
Insulation Class: F
Blade Material: Sheet steel, coated black
Housing Material: Guard grille with phosphate coating
Number of Blades: 5
Direction of Rotation: Counter-clockwise (viewed on rotor)
Operating Temperature: -40°C to +80°C
Motor Protection: Thermal Overload Protector (TOP) wired internally
Weight: 12.5 kg
Compliance: CE, CCC, EAC

The S6E630-AN01-01/F01 is specifically engineered for large-scale HVAC and refrigeration environments, serving as a primary air mover in condenser units and industrial air conditioning cabinets. Its robust airflow capabilities make it ideal for heat exchangers, chillers, and ventilation systems in manufacturing facilities. Operators rely on the S6E630-AN01-01/F01 for consistent thermal dissipation in telecom shelter cooling and agricultural ventilation, where continuous uptime and resistance to environmental factors are paramount for system integrity.

Supplemental Images

