

A6E630-AN01-01 ebmpapst 230V 630mm AC Axial Fan

SKU: A6E630-AN01-01

Price: \$446.23

Categories: Fans

Tags: ebmpapst

Product Link:

<https://www.electspares.com/product/a6e630-an01-01-ebmpapst-230v-630mm-ac-axial-fan/>

Product Description

The ebmpapst A6E630-AN01-01 is a high-capacity 1~ AC Axial Fan featuring a 630 mm impeller diameter and powered by the M6E110-GF external rotor motor. Operating at a nominal 230 VAC (50 Hz), this unit is designed for industrial-scale cooling, delivering a rated speed of 860 RPM with a power input of 600 W. The fan is constructed with 5 blades made of press-fitted sheet steel blanks sprayed with PP plastic, ensuring aerodynamic efficiency and durability in harsh environments. Engineered for S1 continuous operation, it is rated IP54 with Class F insulation and F4-1 humidity protection, featuring rotor-side condensate discharge holes to handle moisture. With a robust design and an integrated thermal overload protector (TOP), the A6E630-AN01-01 is an ideal thermal management solution for large-scale refrigeration condensers, air-cooled heat exchangers, and industrial ventilation systems.

A6E630-AN01-01 Fan Parameters

Manufacturer: ebmpapst

Model Number: A6E630-AN01-01

Motor Model: M6E110-GF

Type: AC Axial Fan

Phase: 1~

Number of Blades: 5

Nominal Voltage: 230 VAC

Frequency: 50 Hz

Dimensions: 805 x 805 x 191 mm (Typical with Wall Ring)

Impeller Size: 630 mm

Mass: 10 kg

[Electrical Data]

Speed: 860 RPM

Power Input: 600 W

Current Draw: 2.62 A

Motor Capacitor: 14 μ F

Capacitor Voltage: 400 VDB

Type of Data Definition: ml (Max. load)

Electrical Leads: Via terminal box (Integrated capacitor connected)

Insulation Class: F

Motor Bearing: Ball bearing

[Performance & Protection]

Max. Back Pressure: 100 Pa

Touch Current: \leq 3.5 mA (IEC 60990)

Degree of Protection: IP 54

Humidity Class: F4-1

Protection Class: I (with protective earth)

[Materials & Construction]

Blade Material: Press-fitted sheet steel blank, sprayed with PP plastic

Terminal Box Material: PP plastic

Rotor Surface: Coated in black

Airflow Direction: "V"

Direction of Rotation: Counter-clockwise, seen on rotor

Mounting Position: Shaft horizontal or rotor on bottom; rotor on top on request

Condensate Discharge Holes: Rotor-side

Cable Exit: Axial

Mode: S1

[Reliability & Protection]

Min. Ambient Temperature: -40 °C

Max. Ambient Temperature: 55 °C

Max. Storage Temperature: + 80 °C

Min. Storage Temperature: - 40 °C

Motor Protection: Thermal overload protector (TOP) brought out

Product Standard: EN 61800-5-1; CE

Approval: GOST; VDE; CCC

Application

The ebmpapst A6E630-AN01-01 axial fan is specifically engineered for high-volume air movement in demanding industrial applications such as large-scale refrigeration condensers and commercial HVAC systems. Its "V" airflow direction and robust IP54-rated construction, combined with F4-1 humidity protection, make it exceptionally reliable for outdoor installations where exposure to the elements is a factor. The use of PP plastic-sprayed steel blades provides the necessary rigidity and corrosion resistance to move air efficiently against a back pressure of

up to 100 Pa. With an integrated 14 μ F capacitor and thermal overload protection, this 630 mm fan ensures stable, continuous S1 duty for cooling large power transformers, industrial process machinery, and warehouse ventilation.

Product Images









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