

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

SKU: A6E630-AN01-01

Price: \$446.23

Categories: Fans

Tags: ebmpapst

Product Link:

<https://www.elecspares.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: <= 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 μF 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









Scan for product details:

