

# S4D630-AD01-01 ebmpapst 400V AC Axial Fan

**SKU:** S4D630-AD01-01

**Price:** \$703.10

**Categories:** Fans

**Tags:** ebmpapst

**Product Link:**

<https://www.electspares.com/product/s4d630-ad01-01-ebmpapst-400v-ac-axial-fan/>

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## Product Description

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The ebmpapst S4D630-AD01-01 is an AC Axial Fan measuring 630 mm. It features a 3-phase motor and operates on a nominal voltage of 400 VAC at 50 Hz. The fan offers two wiring configurations: a Y (Star) connection with a speed of 1320 RPM, power consumption of 210 W, and current draw of 0.62 A; and a D (Delta) connection with a speed of 1750 RPM, power consumption of 295 W, and current draw of 0.78 A. Both configurations achieve a maximum back pressure of 220 Pa. This fan is equipped with 5 sheet aluminum blades, sprayed with PP plastic, and a cast in aluminum rotor surface. The guard grille is made of steel, coated with black plastic (RAL 9005). It utilizes a reliable ball bearing system and has an IP54 degree of protection. Electrical hookup is via a terminal box with an axial cable exit, and it includes a thermal overload protector (TOP) with basic insulation for motor protection. It weighs 30 kg and is designed for an ambient temperature range of -40 °C to 60 °C, with specific recommendations for continuous operation below -25 °C for refrigeration applications. It conforms to EN 60034-1 (2010) and EN 61800-5-1 standards and holds VDE and EAC approvals.

S4D630-AD01-01 Fan Parameters

Model: S4D630-AD01-01

Manufacturer: ebmpapst

Type: AC Axial Fan

Motor: M4D138-LA

Phase: 3~

Nominal Voltage: 400 V AC

Wiring: Y / D

Frequency: 50 Hz

Speed: 1320 RPM (Y wiring) / 1750 RPM (D wiring)

Power Consumption: 210 W (Y wiring) / 295 W (D wiring)

Current Draw: 0.62 A (Y wiring) / 0.78 A (D wiring)

Starting Current: 19 A (Y wiring) / 6.5 A (D wiring)

Max. Back Pressure: 220 Pa

Min. Ambient Temperature: -40 °C

Max. Ambient Temperature: 60 °C

Max. Safe Operating Speed: 1670 RPM (@ 70 °C)

Weight: 30 kg

Fan Size: 630 mm

Rotor Surface: Cast in aluminum

Terminal Box Material: PP plastic

Blade Material: Sheet aluminum insert, sprayed with PP plastic

Guard Grille Material: Steel, coated with black plastic (RAL 9005)

Number of Blades: 5

Airflow Direction: V

Direction of Rotation: Clockwise, viewed toward rotor

Degree of Protection: IP54

Insulation Class: F

Environmental (H) Protection Class: F3-1

Ambient Temperature Note: Occasional start-up between -40°C and -25°C is permissible. For continuous operation at temperatures below -25°C (e.g. refrigeration applications) we recommend our fan design with special low-temperature bearings.

Installation Position: Any

Condensation Drainage Holes: On rotor and stator sides

Mode: S1

Motor Bearing: Ball bearing

Touch Current according to IEC 60990: ≤ 3.5 mA

Electrical Hookup: Via terminal box

Motor Protection: Thermal overload protector (TOP) with basic insulation

With Cable: Axial

Protection Class: I (with customer connection of protective earth)

Conformity with Standards: EN 60034-1 (2010); EN 61800-5-1

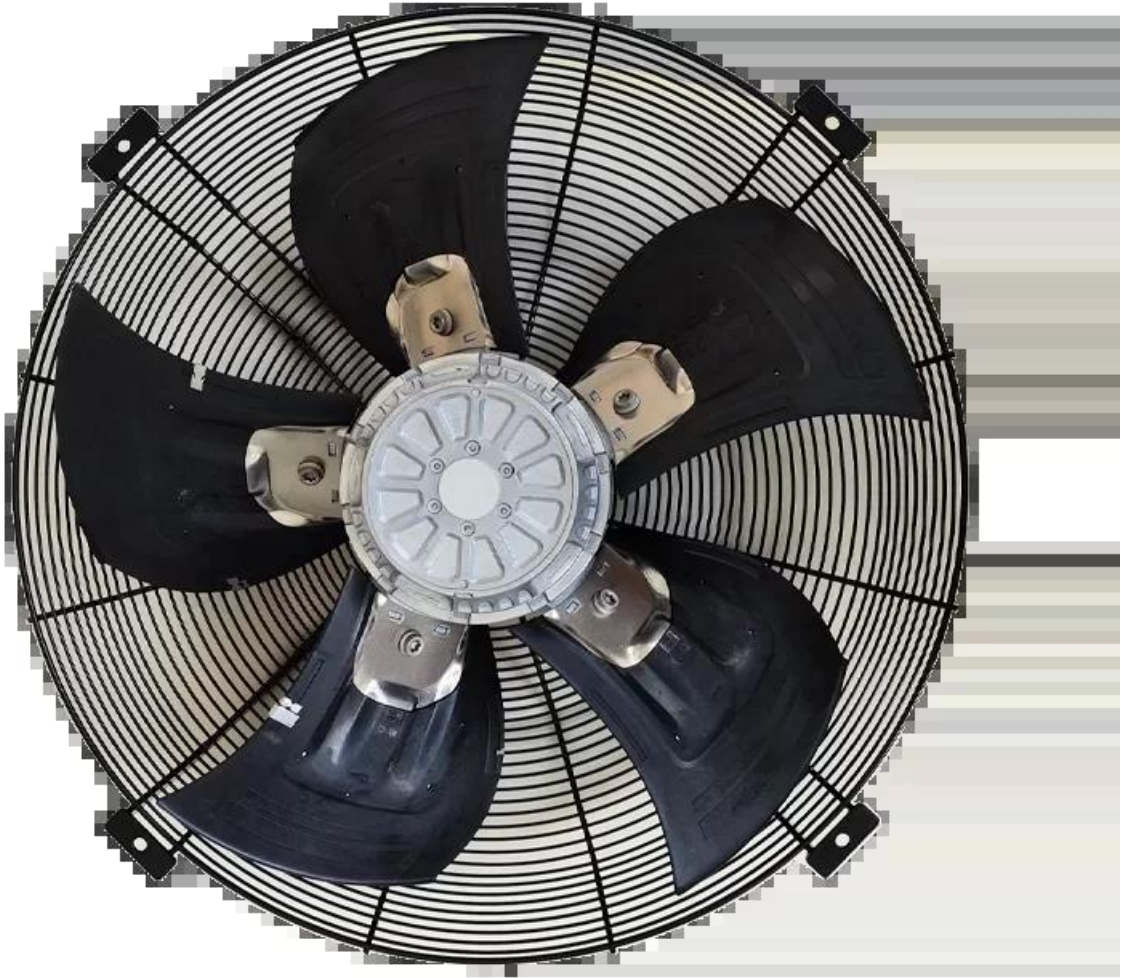
Approval: VDE; EAC

Application: Ideal for large-scale ventilation systems, industrial cooling, and applications requiring robust air movement and multi-voltage compatibility, particularly in demanding environmental conditions.

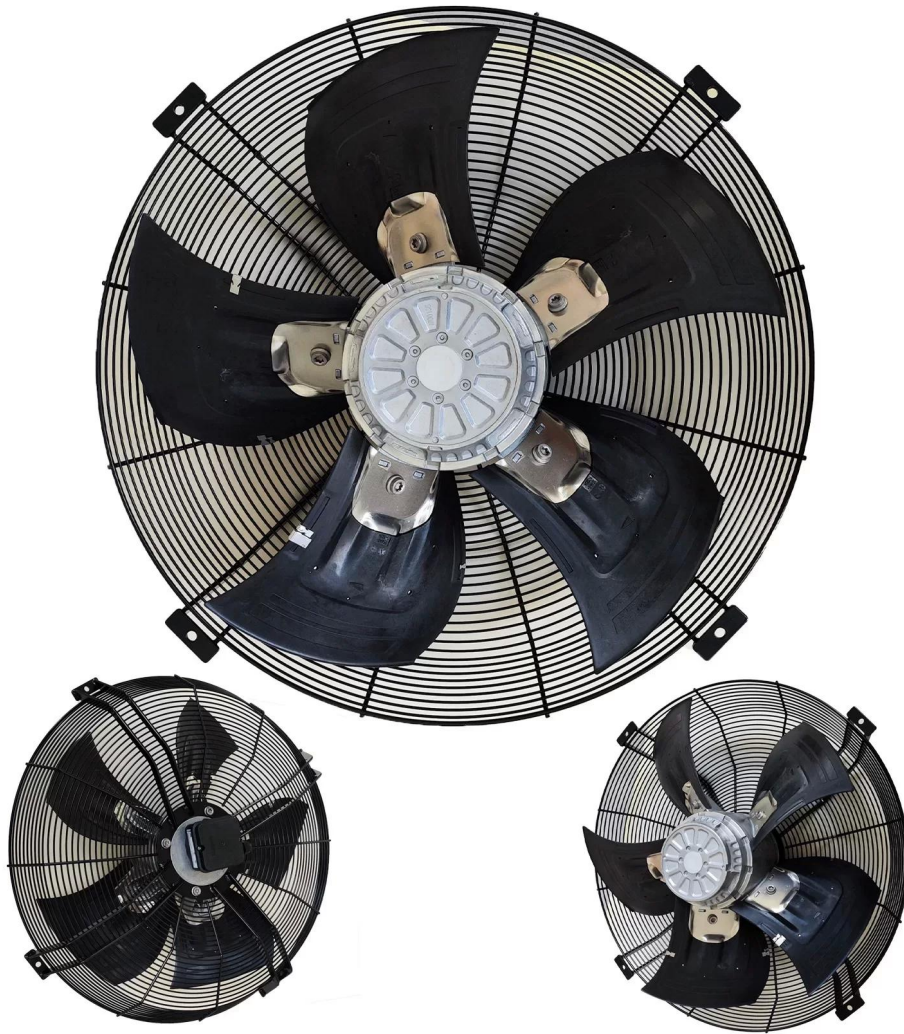
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## **Product Images**

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