

S4D500-8317073686 ebmpapst 400V 500mm AC Axial Fan

SKU: S4D500-8317073686

Price: \$442.84

Categories: Fans

Tags: ebmpapst

Product Link:

<https://www.electspares.com/product/s4d500-8317073686-ebmpapst-400v-500mm-ac-axial-fan/>

Product Description

The ebmpapst S4D500-8317073686 is a heavy-duty 500 mm 3-phase AC axial fan powered by the high-torque M4D110-GF motor, engineered for high-capacity industrial cooling and ventilation. This unit is optimized for dual-performance profiles via Delta (Δ) or Star (Y) wiring configurations, delivering a maximum speed of 1325 RPM and 820 W power consumption in Delta mode. The fan features a robust 5-blade sheet aluminum impeller and a cast aluminum rotor surface, ensuring exceptional structural integrity for S1 continuous operation. Designed for harsh environments, it carries an IP54 protection rating and can operate in extreme ambient temperatures ranging from -40 °C to 60 °C. With its integrated thermal overload protection and vibration-damped ball bearing system, the S4D500 provides a reliable, high-pressure air-moving solution for industrial condensers and large-scale HVAC systems.

S4D500-8317073686 Fan Parameters

Model Number: S4D500-8317073686

Motor Number: M4D110-GF

Manufacturer: ebmpapst

Type: 3-Phase AC Axial Fan

Fan Size: 500 mm

Weight: 13.4 kg

Bearing Type: Ball bearing

Nominal Voltage: 400 VAC

Phase: 3~

Wiring: Δ (Delta) / Y (Star)

Frequency: 50 Hz

Power Consumption: 820 W (Δ) / 550 W (Y)

Nominal Current: 1.59 A (Δ) / 0.95 A (Y)

Starting Current: 6.5 A (Δ) / 2.0 A (Y)

Speed: 1325 RPM (Δ) / 1035 RPM (Y)

Max. Air Flow: 62.23 CFM (105.7 m³/h / 1.76 m³/min)

Max. Static Pressure: 9.81 mmH₂O (96.24 Pa / 0.39 inH₂O)

Max. Back Pressure: 160 Pa / 0.64 inH₂O (Δ)

Min. Ambient Temperature: -40 °C

Max. Ambient Temperature: 60 °C

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

Insulation Class: Class F

Moisture/Env. Protection: F3-1

Electrical Hookup: Via terminal box (PP plastic material)

Number of Blades: 5

Direction of Rotation: Counterclockwise, viewed toward rotor

Airflow Direction: "V"

Impeller Material: Sheet aluminum

Rotor Surface: Cast in aluminum

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

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

Condensation Drainage: On rotor side

Mode: S1

Touch Current: ≤ 3.5 mA

Degree of Protection: IP54

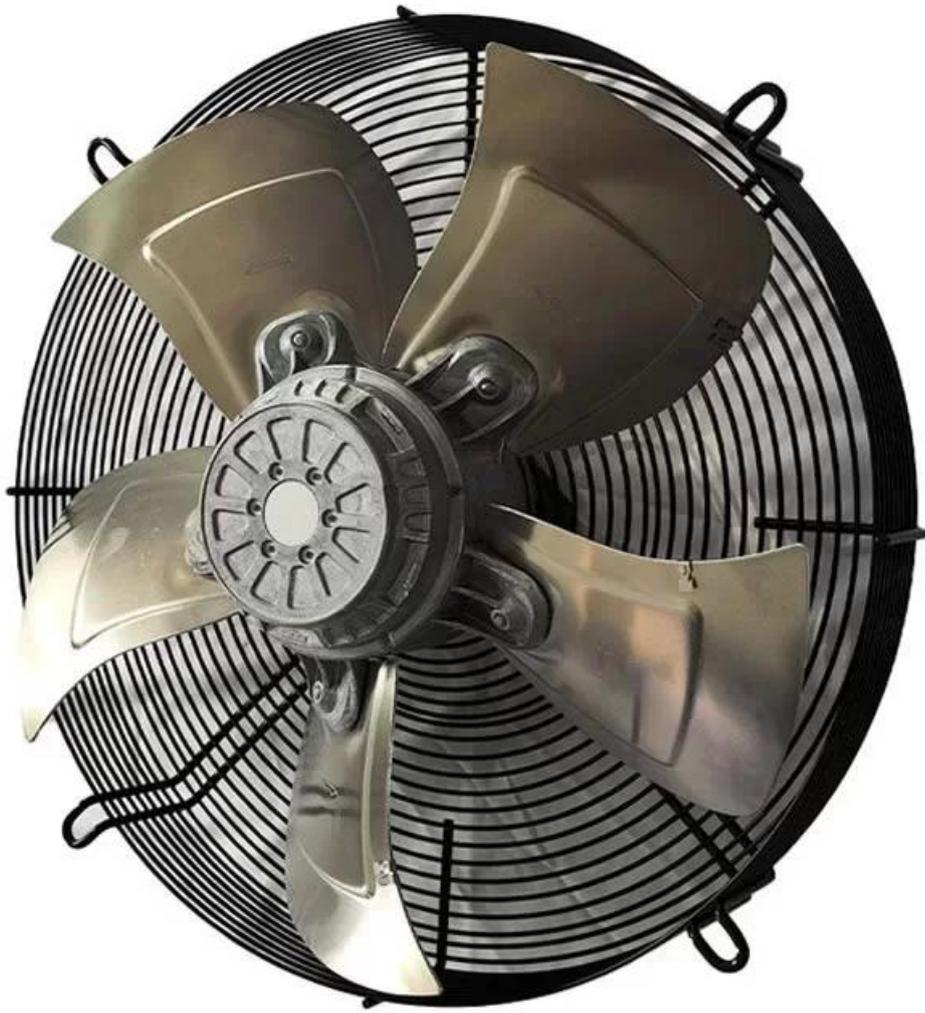
Protection Class: I

Approval: CCC

Application

The ebmpapst S4D500-8317073686 axial fan is primarily utilized in industrial condensers, large-scale refrigeration units, HVAC air handling systems, and agricultural ventilation.

Product Images









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