

8317073847 S6D800 ebmpapst 800mm 400V AC Axial Fan

SKU: 8317073847

Price: \$899.95

Categories: Fans

Tags: ebmpapst

Product Link:

<https://www.electspares.com/product/8317073847-s6d800-ebmpapst-800mm-400v-ac-axial-fan/>

Product Description

The ebmpapst 8317073847 is a high-performance AC Axial Fan built on the S6D800 motor platform, featuring an 800 mm impeller diameter and designed for dual-speed industrial cooling. Operating on a 3-phase 400 VAC 50Hz supply, this unit utilizes a 6-pole asynchronous motor that can be configured via Delta or Star wiring to deliver 1940 W at 880 RPM or 1210 W at 670 RPM. The fan is capable of moving massive air volumes of up to 13170 m³/h (high speed) and 10030 m³/h (low speed), while maintaining an IP54 protection rating for durable service in outdoor and industrial environments. Weighing 36 kg and featuring a 5-blade high-velocity impeller, the 8317073847 provides a reliable thermal management solution for large-scale refrigeration condensers and HVAC systems where 3-phase power stability and flexible performance are mission-critical.

8317073847 Fan Parameters

Manufacturer: ebmpapst

Part Number (Ident no.): 8317073847

Motor Series: S6D800 (6-Pole)

Phase: 3-phase

Type: AC Axial Fan

Nominal Voltage: 400 VAC

Frequency: 50 Hz

Dimensions: 1070 x 1070 x 321 mm

Impeller Size: 800 mm

Number of Blades: 5

Weight: 36 kg

[Electrical Data]

Nominal Speed: 880 / 670 RPM

Power Consumption: 1940 / 1210 W

Current Draw: 3.9 / 2.23 A

Wiring Configuration: Delta (High Speed) / Star (Low Speed)

Insulation Class: F

Motor Bearing: Maintenance-free Ball Bearings

Motor Protection: Thermal overload protector (TOP) internally wired

Termination: Terminal box

[Performance & Acoustics]

Max. Air Flow: 13170 / 10030 m³/h

Max. Static Pressure: 155 Pa

Sound Pressure Level: 68 / 62 dB(A)

Direction of Rotation: Clockwise (looking at rotor)

Airflow Direction: V (Exhaust over struts)

Mode: S1 (Continuous operation)

[Materials & Construction]

Housing/Wall Plate: Sheet steel, galvanized and black plastic coated (RAL 9005)

Impeller Material: PP plastic, reinforced

Rotor Surface: Painted black

Terminal Box Material: Die-cast aluminum

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

Condensation Drainage: On rotor side

[Reliability & Protection]

Degree of Protection: IP54

Min. Ambient Temperature: -40 °C

Max. Ambient Temperature: 65 °C

Standard Compliance: EN 61800-5-1; CE; UKCA

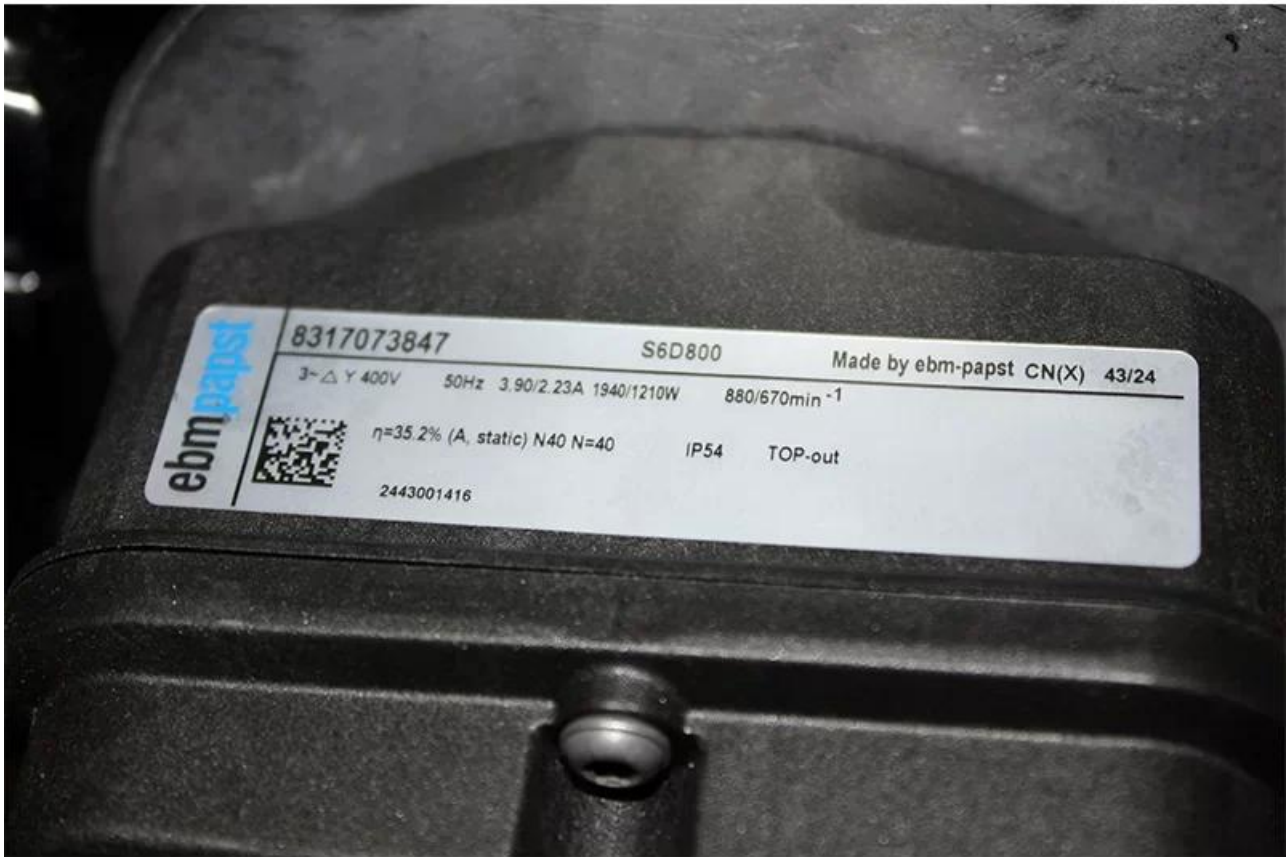
Approval: VDE, UL, CSA, EAC

Application

The ebmpapst 8317073847 is primarily utilized in large-capacity 3-phase industrial liquid coolers and commercial rooftop condensers where its dual-speed capability (880/670 RPM) through Star-Delta switching allows for precise airflow management and noise reduction during low-load periods, ensuring consistent heat extraction for refrigeration plants and data center cooling modules that require a robust 36 kg hardware platform and IP54 environmental protection.

Product Images









Scan for product details:

