

S4D560-BQ01-02 ebmpapst 400V 560mm AC Axial Fan

SKU: S4D560-BQ01-02

Price: \$471.41

Categories: Fans

Tags: ebmpapst

Product Link:

<https://www.electspares.com/product/s4d560-bq01-02-ebmpapst-400v-560mm-ac-axial-fan/>

Product Description

The ebmpapst S4D560-BQ01-02 is a high-capacity industrial AC axial fan with a nominal voltage of 400 VAC and an impeller size of 560 mm, specifically engineered for demanding thermal management in large-scale refrigeration and industrial cooling systems. Driven by a robust three-phase M4D110-IA external rotor motor with power ratings ranging from 760 W to 1380 W depending on wiring configuration (Δ /Y) and frequency, this unit features a heavy-duty ball bearing system designed for long-term mechanical stability and continuous S1 duty. Its aerodynamic design with 5 blades, constructed from a PP plastic-sprayed aluminum insert, delivers a powerful airflow of 7300 m³/h at its optimum efficiency point while maintaining an overall static efficiency of 38%. Built with a cast aluminum rotor surface and a black plastic-coated steel guard grille, this 15.9 kg fan provides a dependable and weather-resistant cooling solution with IP54 protection and H2 environmental class for industrial condensers, dry coolers, and large-scale HVAC infrastructure at the end.

S4D560-BQ01-02 Fan Parameters

Model Number: S4D560-BQ01-02

Manufacturer: ebmpapst

Motor Model: M4D110-IA

Series: S Series

Type: AC Axial Fan

Impeller Size: 560 mm

Weight: 15.9 kg

Bearing Type: Ball bearing

Nominal Voltage: 400 VAC (3-phase)

Wiring: Delta (Δ) / Star (Y)

Frequency: 50 / 60 Hz

Power Consumption: 1100 W (50Hz Δ) / 760 W (50Hz Y) / 1380 W (60Hz Δ) / 840 W (60Hz Y)

Nominal Current: 2.32 A (50Hz Δ) / 1.3 A (50Hz Y) / 2.4 A (60Hz Δ) / 1.45 A (60Hz Y)

Speed: 1350 RPM (50Hz Δ) / 1110 RPM (50Hz Y) / 1540 RPM (60Hz Δ) / 1150 RPM (60Hz 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)

Actual Air Flow: 7300 m³/h (@ optimum efficiency)

Actual Static Pressure: 170 Pa (Max. back pressure @ 50Hz Δ)

Overall Efficiency (η_{es}): 38.0 %

Motor Design: Three-phase AC external rotor motor

Motor Protection: Thermal switch auto reset (TOP) wired internally

Insulation Class: Class F

Electrical Hookup: Terminal box

Number of Blades: 5

Blade Pitch: -5°

Direction of Rotation: Clockwise, viewed toward rotor

Airflow Direction: "A" (Suction over struts)

Blade Material: Sheet aluminum insert, sprayed with PP plastic

Rotor Surface: Cast in aluminum

Terminal Box Material: PP plastic

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

Installation Position: Shaft horizontal or rotor on bottom

Degree of Protection: IP54

Environmental Protection: H2

Operating Temperature: -40 - +65 °C (50 Hz) / -40 - +60 °C (60 Hz)

Storage Temperature: -40 - +80 °C

Standard Compliance: EN 60034-1; CE; UKCA

Approval Agency: VDE; EAC

Application

The ebmpapst S4D560-BQ01-02 AC fan is primarily utilized in industrial refrigeration condensers, dry coolers, large-scale HVAC units, and industrial ventilation systems for heat exchangers.

Product Images









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