

S4D500-AD03-01 ebmpapst 3~400V 500mm IP54 Axial Fan Datasheet



Brand: ebmpapst

SKU: [S4D500-AD03-01](#)

Category: Axial & Centrifugal Fans

Price: **\$672.99**

E-mail: sales@equipspares.com

Web: <https://www.equipspares.com>

Product Page:

<https://www.equipspares.com/product/s4d500-ad03-01-ebmpapst-3400v-500mm-ip54-axial-fan>

Product Description

The ebmpapst S4D500-AD03-01 is a robust industrial axial fan engineered for high-efficiency thermal exchange applications. Featuring an advanced 3-phase AC external rotor motor, this unit delivers optimized aerodynamic performance with reduced turbulence and acoustic resonance. The 500mm impeller geometry is balanced to maintain structural rigidity under high-load conditions, ensuring consistent airflow delivery. Designed with an IP54 ingress protection rating, the motor assembly resists dust and moisture intrusion, making it suitable for harsh operating environments. Its thermal impedance characteristics allow for sustained operation at varying voltage inputs, providing reliable cooling for critical infrastructure.

Model Number: S4D500-AD03-01

Brand: ebmpapst

Product Type: Axial Fan with Guard Grille

Motor Type: AC External Rotor Motor

Phase: 3-Phase (3~)

Rated Voltage: 400 VAC / 480 VAC

Frequency: 50 Hz / 60 Hz

Rated Current (50Hz): 1.59 A / 0.95 A

Rated Current (60Hz): 1.86 A / 1.13 A

Power Input (50Hz): 820 W / 550 W

Power Input (60Hz): 1220 W / 770 W

Power Output (50Hz): 600 W / 300 W

Power Output (60Hz): 900 W / 375 W

Rated Speed (50Hz): 1325 RPM / 1035 RPM

Rated Speed (60Hz): 1570 RPM / 1170 RPM

Blade Diameter: 500mm

Ingress Protection: IP54

Bearing Type: Ball Bearing

Mounting: With Protective Guard Grille

Application: Central Air Conditioning Outdoor Units

The S4D500-AD03-01 is extensively utilized in large-scale HVAC systems, specifically serving as a primary cooling component in central air conditioning outdoor units and condensers. Its high-flow capacity makes it ideal for industrial heat exchangers, ventilation arrays in manufacturing facilities, and cooling towers requiring consistent air throughput. Operators rely on the S4D500-AD03-01 for its durability in variable weather conditions, ensuring system stability in commercial refrigeration and heavy-duty equipment cooling loops.

Supplemental Images

