# S4D500-AM09-16 ebmpapst 400V 500mm Axial Fan Datasheet

**Brand:** ebmpapst

**SKU:** S4D500-AM09-16

**Category:** Axial & Centrifugal Fans

**Price:** **$578.99**

**E-mail:** sales@equipspares.com

**Web:** https://www.equipspares.com

Product Page: https://www.equipspares.com/product/s4d500-am09-16-ebmpapst-400v-500mm-axial-fan

## Product Description

The ebmpapst S4D500-AM09-16 is a high-performance Axial Fan engineered for demanding industrial thermal management. Utilizing a robust three-phase AC motor architecture, this unit provides exceptional structural rigidity and aerodynamic efficiency. The motor design, specifically the M4D110-GF series, is optimized for continuous operation under varying thermal impedance conditions. Its precision-engineered blades are designed to maximize volumetric flow while maintaining low acoustic signatures. The integration of high-grade materials ensures long-term reliability in environments requiring consistent airflow and pressure stability, making it a critical component for large-scale heat exchange systems.

Model Number: S4D500-AM09-16
Brand: ebmpapst
Product Type: Axial Fan
Motor Model: M4D110-GF
Rated Voltage: 400 VAC
Voltage Range: 380 - 480 VAC
Phase: 3-Phase
Frequency: 50/60 Hz
Rated Current 50Hz: 1.41 / 0.90 A
Rated Current 60Hz: 1.64 A
Power Input 50Hz: 720 / 550 W

Power Input 60Hz: 1060 W
Power Output 50Hz: 540 / 300 W
Power Output 60Hz: 800 W
Rated Speed 50Hz: 1390 / 1180 RPM
Rated Speed 60Hz: 1640 RPM
Ingress Protection: IP54
Dimensions: 500 mm
Speed Control: None
Insulation Class: F
Origin: Germany

The ebmpapst S4D500-AM09-16 is specifically designed for integration into large-scale refrigeration units, industrial condensers, and cold storage facilities. Given the high volumetric output of the S4D500-AM09-16, it is frequently utilized in HVAC systems and heavy-duty industrial cooling towers where reliable heat dissipation is mandatory. The rugged construction ensures the S4D500-AM09-16 performs optimally in harsh environments such as chemical processing plants and large server room climate control systems.

## Supplemental Images


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