S3G500-AM56-21 EBM-Papst 230VAC 500mm EC Axial Fan Datasheet

Brand: ebmpapst

SKU: 989404516289

Category: Axial & Centrifugal Fans

Price: **$1,369.99**

E-mail: sales@equipspares.com

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Product Page:
https://www.equipspares.com/product/s3g500-am56-21-ebm-papst-230vac-500mm-ec-axial-fan

Product Description

The EBM-Papst S3G500-AM56-21 is a precision-engineered EC axial fan designed for high-demand industrial ventilation and cooling systems. Powered by the advanced M3G112-EA GreenTech EC motor, this unit delivers superior energy efficiency and reduced thermal impedance compared to traditional AC counterparts. The aerodynamic blade geometry is optimized to minimize turbulence and acoustic noise while maintaining consistent airflow against static pressure. Constructed with structural rigidity to withstand rigorous operational environments, the fan features integrated electronics for precise speed modulation. This robust thermal solution is ideal for applications requiring reliable continuous operation and intelligent motor control.

Model Number: S3G500-AM56-21
Brand: EBM-Papst
Product Type: EC Axial Fan
Motor Type: M3G112-EA (GreenTech EC)
Rated Voltage: 230 VAC
Voltage Range: 200 - 277 VAC
Frequency: 50/60 Hz
Phase: 1~
Rated Current: 3.4 A
Power Input: 750 W

Rated Speed: 1420 RPM
Blade Diameter: 500 mm
Ingress Protection: IP54
Bearing Type: Ball Bearing
Max. Air Flow: 3413 CFM (5800 m^3/h)
Max. Static Pressure: 0.60 inH_2O (150 Pa)
Operating Temperature: -25°C to +60°C
Insulation Class: F
Motor Protection: Thermal Overload Protector (TOP)
Speed Control: 0-10 VDC / PWM
Material: Sheet Steel (Coated)
Weight: 11 kg
Mounting: Guard Grille / Wall Ring

The S3G500-AM56-21 is frequently deployed in commercial HVAC condensers and heat exchangers where variable speed control is essential for energy optimization. Industrial engineers utilize the S3G500-AM56-21 in precision air conditioning units for data centers and large-scale electronics cooling cabinets. Its durable IP54 construction also makes it suitable for agricultural ventilation systems and renewable energy inverter cooling applications.

Supplemental Images


WARNING!
Dangerous voltages!
Capacitor discharge time 5 minutes!
ATTENTION!
Tensions dangereuses!
Temps de décharge des condensateurs
5 minutes!