S3G500-AM56-21/F02 EBM-PAPST 200-277V 500mm EC Motor Axial Fan Datasheet

Brand: ebmpapst

SKU: 972020216767

Category: Axial & Centrifugal Fans

Price: **$2,666.99**

E-mail: sales@equipspares.com

Web: https://www.equipspares.com

Product Page:
https://www.equipspares.com/product/s3g500-am56-21-f02-ebm-papst-200-277v-500mm-ec-motor-axial-fan

Product Description

The EBM-PAPST S3G500-AM56-21/F02 is a high-efficiency EC axial fan designed for demanding industrial thermal management and ventilation applications. Integrating advanced GreenTech EC motor technology, this unit offers superior energy efficiency compared to traditional AC counterparts while maintaining precise speed control and operational stability. The aerodynamic blade geometry is engineered to minimize turbulence and acoustic noise, optimizing the airflow-to-pressure ratio for complex systems. Its robust construction ensures structural rigidity under continuous operation, making it ideal for critical cooling applications where thermal impedance must be minimized. The fan features intelligent electronics for seamless integration into modern control systems, ensuring reliable performance in variable load conditions and extending the service life of the equipment it cools.

Model Number: S3G500-AM56-21/F02
Brand: EBM-PAPST
Product Type: EC Axial Fan
Rated Voltage: 200-277 VAC
Frequency: 50/60 Hz
Input Power: 750 W
Output Power: 615 W

Rated Speed: 1420 RPM
Blade Diameter: 500 mm
Motor Technology: GreenTech EC (Electronically Commutated)
Bearing Type: Ball Bearing
Mounting Type: Guard Grille Assembly
Material: Coated Steel
Origin: Germany
Application: HVAC, Data Center Cooling

Designed for critical infrastructure, the S3G500-AM56-21/F02 excels in precision cooling environments such as data center computer room air conditioning (CRAC) units and large-scale ventilation systems. Its high-efficiency EC motor makes it particularly suitable for variable air volume systems where energy conservation is paramount. The S3G500-AM56-21/F02 provides reliable airflow for heat exchangers and condensers, ensuring optimal operating temperatures for sensitive electronic equipment in telecommunications and industrial automation setups.

Supplemental Images