

S3G500-BE33-01 ebm-papst 400VAC 500mm EC Motor Axial Fan Datasheet



Brand: ebmpapst

SKU: [1004656376319](#)

Category: Axial & Centrifugal Fans

Price: **\$3,835.99**

E-mail: sales@equipspares.com

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Product Page:

<https://www.equipspares.com/product/s3g500-be33-01-ebm-papst-400vac-500mm-ec-motor-axial-fan>

Product Description

The ebm-papst S3G500-BE33-01 is a precision-engineered EC Axial Fan designed for demanding industrial thermal management applications. Utilizing advanced GreenTech EC motor technology, this unit offers superior energy efficiency compared to traditional AC counterparts through intelligent electronic commutation. The fan features the proprietary HyBlade impeller, a hybrid structure combining the stability of aluminum with the aerodynamic optimization of fiberglass-reinforced plastic, significantly reducing noise generation while maximizing airflow. Built with a robust M3G112-GA motor, it ensures low thermal impedance and exceptional structural rigidity under continuous operation. The integrated electronics provide sophisticated control options, making it ideal for variable load requirements in complex ventilation systems where reliability and longevity are paramount.

Model Number: S3G500-BE33-01

Brand: ebm-papst

Product Type: EC Axial Fan

Motor Type: M3G112-GA (GreenTech EC)

Rated Voltage: 400 VAC (3-Phase)

Voltage Range: 380 - 480 VAC

Frequency: 50/60 Hz

Rated Current: 1.80 A

Power Consumption: 1150 W
Rated Speed: 1550 RPM
Max. Air Flow: 5414 CFM (9200 m³/h)
Max. Static Pressure: 0.60 inH₂O (150 Pa)
Impeller Diameter: 500mm
Bearing Type: Maintenance-free Ball Bearing
Blade Material: PP Plastic (HyBlade), Fiberglass-reinforced
Housing Material: Die-cast Aluminum
Number of Blades: 5
Ingress Protection: IP54
Insulation Class: F
Motor Protection: Thermal Overload Protector (TOP) wired internally
Operating Temperature: -25°C to +60°C
Speed Control: 0-10 VDC / PWM
Weight: 11.8 kg
Life Expectancy: 40,000 Hours (L10 at 40°C)
Certifications: CE, UL, CSA, VDE
Rotation Direction: Counter-clockwise (viewed toward rotor)
Mounting Orientation: Any

The S3G500-BE33-01 is specifically engineered for high-load industrial environments, finding primary utility in large-scale printing equipment where consistent thermal regulation is critical for ink drying and component longevity. Additionally, the S3G500-BE33-01 is widely deployed in industrial ventilation systems, heat exchangers, and cooling towers requiring precise airflow modulation. Its robust construction makes it suitable for retrofitting existing AC systems in manufacturing plants to improve energy efficiency and reduce operational noise in sensitive workspaces.

Supplemental Images

