

S3G400-LC22-51 ebmpapst 200-277VAC 400mm EC Axial Fan Datasheet



Brand: ebmpapst

SKU: [999896881326](#)

Category: Axial & Centrifugal Fans

Price: **\$584.99**

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Product Page:

<https://www.equipspares.com/product/s3g400-lc22-51-ebmpapst-200-277vac-400mm-ec-axial-fan>

Product Description

The ebmpapst S3G400-LC22-51 is a precision-engineered EC axial fan designed to deliver superior aerodynamic performance in industrial thermal management systems. Utilizing advanced GreenTech EC motor technology, this unit accepts a wide voltage input of 200-277VAC while maintaining high efficiency and reduced power consumption compared to standard AC variants. The external rotor design ensures compact integration and exceptional structural rigidity, while the optimized blade profile minimizes noise generation and turbulence. With an IP54 ingress protection rating, the fan is built to withstand challenging environmental conditions, ensuring long-term reliability. The S3G400-LC22-51 provides a robust solution for applications requiring consistent airflow and precise speed regulation through its integrated control electronics, optimizing thermal impedance in high-density setups.

Model Number: S3G400-LC22-51

Brand: ebmpapst

Product Type: EC Axial Fan

Rated Voltage: 230 VAC

Voltage Range: 200 - 277 VAC

Frequency: 50/60 Hz

Phase: 1~

Rated Current: 2.6 A

Power Consumption: 400 W

Rated Speed: 1630 RPM

Max. Static Pressure: 160 Pa

Blade Diameter: 400mm

Motor Technology: EC (Electronically Commutated) External Rotor

Bearing Type: Ball Bearing

Ingress Protection: IP54

Speed Control: Yes (0-10V / PWM Interface)

Direction of Rotation: Clockwise (viewed toward rotor)

Number of Blades: 5

Mounting: Guard Grille with Integrated Nozzle

Motor Protection: Thermal Overload Protector (TOP) / Locked Rotor Protection

Insulation Class: Class B

Operating Temperature: -25°C to +60°C

Material: Steel (Guard Grille), PA Plastic (Blades)

Compliance: CE, UL, CSA

The S3G400-LC22-51 is specifically designed for critical cooling infrastructure where reliability and efficiency are paramount. Common deployments include condenser units in HVAC systems, heat exchangers, and industrial ventilation setups requiring consistent air volume. The S3G400-LC22-51 is also frequently utilized in IT infrastructure cooling, such as large-scale server room ventilation and telecom base station cooling, ensuring optimal operating temperatures for sensitive electronics.

Supplemental Images

