

# S3G710-AO85-21/F01 ebm-papst 230VAC 710mm EC Axial Fan Datasheet



**Brand:** ebmpapst

**SKU:** 732329978666

**Category:** Axial & Centrifugal Fans

**Price:** **\$3,371.99**

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Product Page:

<https://www.equipspares.com/product/s3g710-ao85-21-f01-ebm-papst-230vac-710mm-ec-axial-fan>

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## Product Description

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The ebm-papst S3G710-AO85-21/F01 is a high-efficiency EC axial fan engineered for demanding industrial ventilation requirements. Integrating the advanced M3G122-IA EC motor technology, this unit offers superior energy efficiency compared to traditional AC counterparts, significantly reducing thermal impedance and operational costs. The aerodynamic design of the 710mm impeller ensures optimized airflow delivery while maintaining structural rigidity under continuous load. Designed with an IP54 ingress protection rating, the S3G710-AO85-21/F01 provides robust resistance against dust and moisture, making it suitable for challenging environments. Its sophisticated electronic commutation allows for precise speed regulation, ensuring the system adapts dynamically to cooling needs while minimizing acoustic noise generation.

Model Number: S3G710-AO85-21/F01

Brand: ebm-papst

Product Type: EC Axial Fan

Motor Type: M3G122-IA

Rated Voltage: 230 VAC

Voltage Range: 200 - 277 VAC

Frequency: 50/60 Hz

Phase: 1~

Power Input: 700 W

Power Output: 595 W  
Rated Current: 3.1 A  
Rated Speed: 830 RPM  
Blade Diameter: 710 mm  
Bearing Type: Ball Bearing  
Ingress Protection: IP54  
Insulation Class: F  
Direction of Rotation: Clockwise (viewed toward rotor)  
Number of Blades: 5  
Motor Protection: Thermal Overload Protector (TOP)  
Min. Ambient Temperature: -25 °C  
Max. Ambient Temperature: +60 °C  
Material (Blades): Sheet steel, coated black  
Material (Housing): Die-cast aluminum  
Mounting Orientation: Any  
Compliance: CE, UL, CSA

This high-capacity ventilation unit is frequently deployed in large-scale industrial cooling systems, including air-cooled condensers and refrigeration units where consistent airflow is critical. The S3G710-AO85-21/F01 excels in agricultural ventilation and facility climate control, providing reliable air exchange in livestock buildings and greenhouses. Additionally, the S3G710-AO85-21/F01 is utilized in heat pump applications and transformer cooling, where its robust IP54 rating ensures longevity despite exposure to environmental elements.

## Supplemental Images

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