

# W3G800-KU21-05/F01 ebm-papst 380-480V 800mm Axial Fan Datasheet



**Brand:** ebmpapst

**SKU:** 791106687718

**Category:** Axial & Centrifugal Fans

**Price:** \$2,499.99

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Product Page:

<https://www.equipspares.com/product/w3g800-ku21-05-f01-ebm-papst-380-480v-800mm-axial-fan>

## Product Description

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The ebm-papst W3G800-KU21-05/F01 is a high-efficiency EC Axial Fan engineered for demanding thermal management applications requiring substantial airflow and reliability. Featuring advanced GreenTech EC motor technology, this unit delivers superior aerodynamic performance through its optimized HyBlade geometry, which significantly reduces noise emissions while maximizing static pressure capabilities. The robust construction ensures structural rigidity under high back-pressure conditions, making it an ideal solution for precision cooling systems. Its integrated electronics provide precise speed control and monitoring, optimizing thermal impedance and energy consumption in critical industrial environments.

Model Number: W3G800-KU21-05/F01

Brand: ebm-papst

Product Type: EC Axial Fan

Rated Voltage: 380 - 480 VAC (3-Phase)

Frequency: 50 / 60 Hz

Power Input: 2900 W

Current Draw: 4.4 A

Rated Speed: 1130 RPM

Blade Diameter: 800 mm

Motor Type: M3G150 (EC External Rotor)

Bearing Type: Maintenance-free Ball Bearing

Max. Air Flow: 13831 CFM (23500 m<sup>3</sup>/h)

Max. Static Pressure: 1.08 inH<sub>2</sub>O (270 Pa)

Material (Blades): PP Plastic (HyBlade)

Material (Housing): Die-cast Aluminum

Ingress Protection: IP54

Insulation Class: F

Operating Temperature: -25°C to +60°C

Control Interface: 0-10V / PWM / MODBUS-RTU

Weight: 32.5 kg

Phase: 3~

Direction of Rotation: Clockwise (viewed toward rotor)

Mounting Orientation: Any

This high-performance fan is specifically designed for critical cooling infrastructures, including precision air conditioning units in data centers and server farms. The W3G800-KU21-05/F01 excels in heat exchangers, condensers, and chillers where consistent airflow is paramount for system stability. Additionally, the W3G800-KU21-05/F01 is utilized in large-scale ventilation systems and industrial process cooling, ensuring reliable operation in continuous-duty environments.

## Supplemental Images

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