

K3G710-PV05-01 ebmpapst 400VAC 710mm EC Centrifugal Fan

SKU: K3G710-PV05-01

Price: \$1,199.94

Categories: Fans

Tags: ebmpapst

Product Link:

<https://www.electspares.com/product/k3g710-pv05-01-ebmpapst-400vac-710mm-ec-centrifugal-fan/>

Product Description

The ebmpapst K3G710-PV05-01 is an ultra-high-performance 400VAC EC Centrifugal Fan featuring the RadiPac series backward-curved, single-intake impeller with a reinforced cube design, specifically engineered for mission-critical cooling in large-scale Industrial Frequency Converters and AHU systems. Driven by a high-efficiency M3G200-LA GreenTech EC motor with integrated power electronics, this 120.6 kg unit operates on a 3-phase 380-480 VAC supply delivering a Max. Power Consumption of 7050 W and a Max. Current Draw of 10.7 A at a rated speed of 1430 RPM. This High-performance unit achieves a Max. Air Flow of 10759.3 CFM (18280.0 m³/h / 304.67 m³/min) and a Max. Static Pressure of 94.84 mmH₂O (930.0 Pa / 3.73 inAq). Featuring a comprehensive suite of intelligent technical features including an integrated PID controller, RS-485 MODBUS-RTU interface, and active PFC, this IP55-rated module is optimized for industrial VFD systems requiring maximum energy efficiency and precision airflow management at the end.

K3G710-PV05-01 Fan Parameters

Model Number: K3G710-PV05-01

Motor Model: M3G200-LA

Manufacturer: ebmpapst

Type: EC Centrifugal Fan (RadiPac, Cube design)

Impeller Size: 710 mm

Dimensions: 960 x 960 x 750 mm (Module assembly)

Weight: 120.6 kg

Bearing Type: Ball bearing (Sealed, maintenance-free)

Phase: 3~

Nominal Voltage: 400 VAC

Voltage Range: 380 - 480 VAC

Frequency: 50/60 Hz

Connection Type: Terminal box (Integrated EC controller)

Max. Current Draw: 10.7 A

Max. Power Consumption: 7050 W

Rated Speed: 1430 RPM

Max. Air Flow: 10759.3 CFM (18280.0 m³/h / 304.67 m³/min)

Max. Static Pressure: 94.84 mmH₂O (930.0 Pa / 3.73 inAq)

Working Air Flow: 18280.0 m³/h

Static Pressure Increase: 930.0 Pa

Overall Efficiency (η_{es}): 69.7%

Number of Blades: 5

Control Interface: 0-10 VDC / PWM / RS-485 MODBUS-RTU

Technical Features: Integrated PID controller; Soft start; Active PFC; Motor current limitation; External 24 V input (Parameter setting); Alarm relay; Line undervoltage / Phase failure detection; EEPROM write cycles (min. 100,000)

Motor Protection: Thermal overload protection; Reverse polarity and locked-rotor protection

Insulation Class: Class F

Degree of Protection: IP55 / Protection class I

Housing Material: Die-cast aluminum (Electronics) / Galvanized sheet steel (Cube frame/Inlet nozzle)

Impeller Material: Sheet aluminum

Direction of Rotation: Clockwise (viewed toward rotor)

Ambient Temperature (Max.): 40 °C

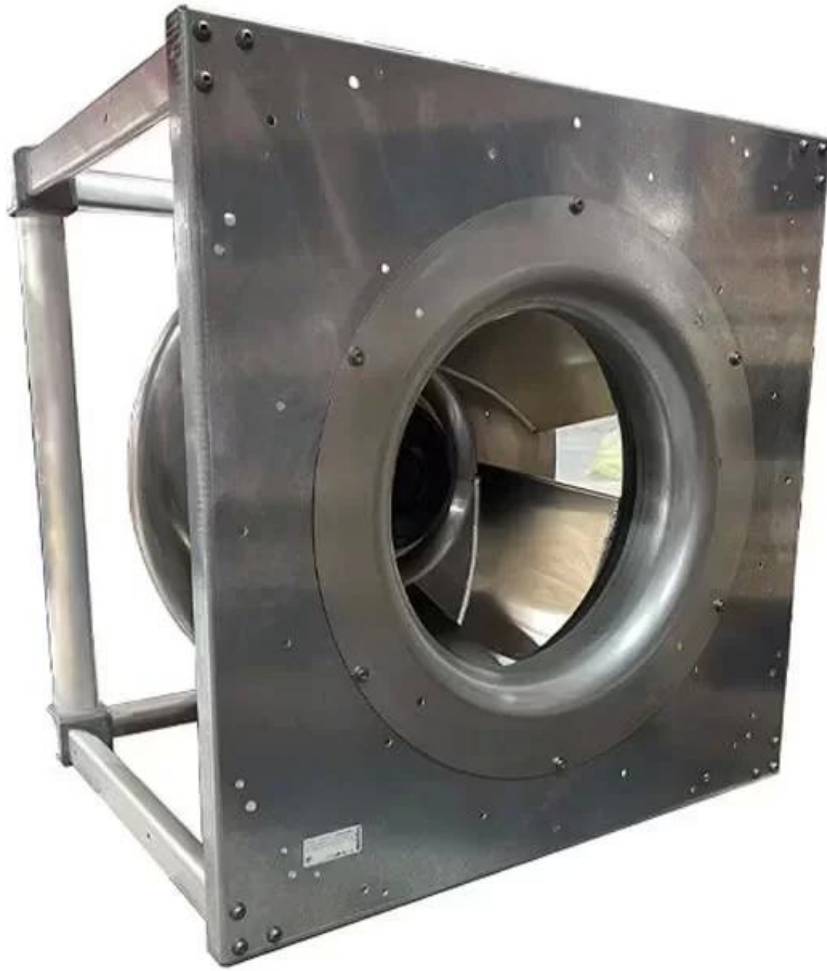
Min. Operating Temperature: -40 °C (Permitted occasional start-up)

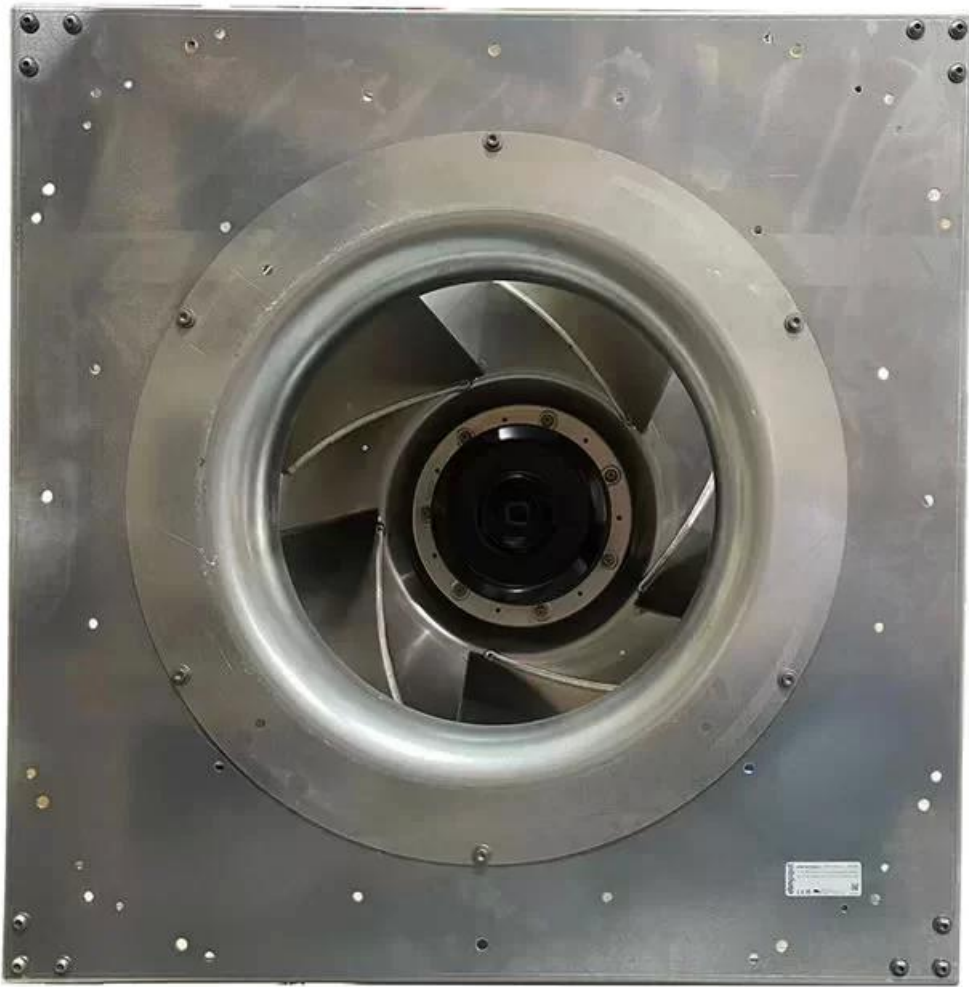
Standard Compliance: CE; EAC; UL 1004-7; CSA C22.2 No. 77; EN 61800-5-1

Application

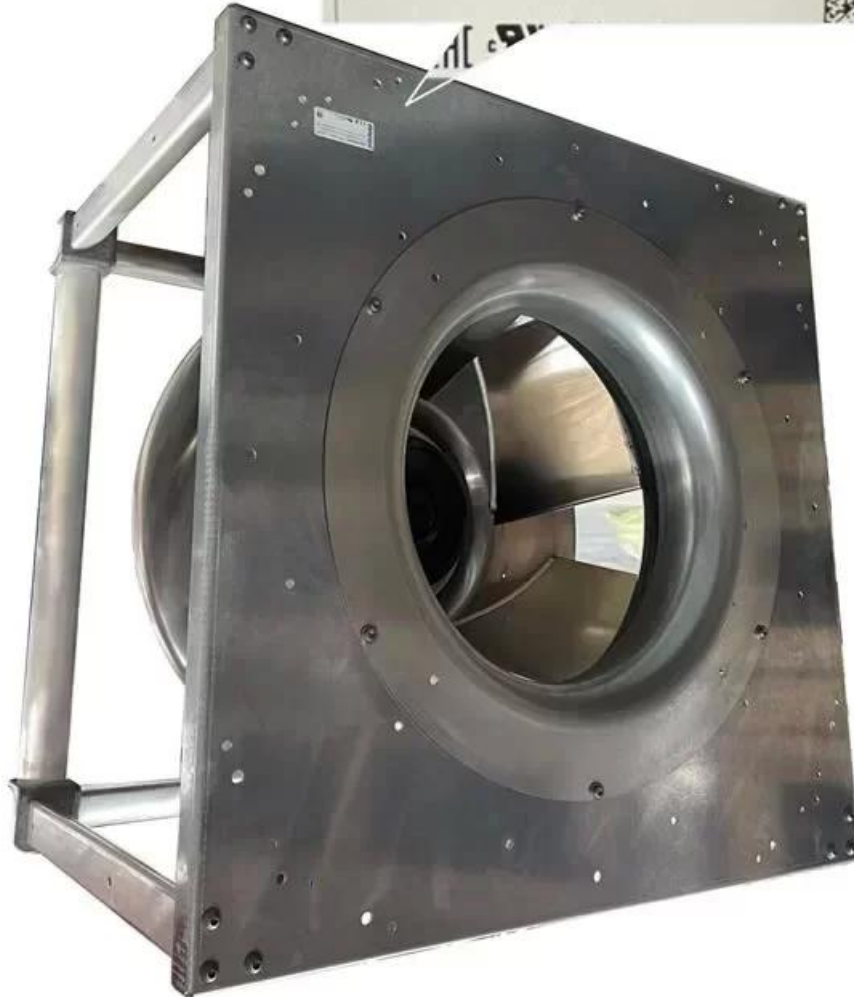
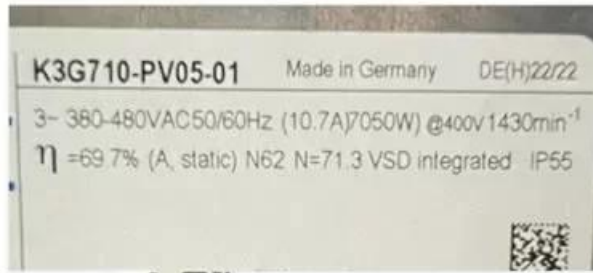
The ebmpapst K3G710-PV05-01 centrifugal fan is the primary cooling component for large-scale industrial frequency converters and modular air conditioning systems requiring intelligent control, IP55 environmental protection, and maximum static pressure.

Product Images









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