

# K3G560-PC10-L1 ebmpapst 400VAC 560mm EC Centrifugal Fan

**SKU:** K3G560-PC10-L1

**Price:** \$1,698.48

**Categories:** Fans

**Tags:** ebmpapst

**Product Link:**

<https://www.electspares.com/product/k3g560-pc10-l1-ebmpapst-400vac-560mm-ec-centrifugal-fan/>

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## Product Description

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The ebmpapst K3G560-PC10-L1 is an ultra-high-performance 400VAC EC Centrifugal Fan featuring the RadiPac series backward-curved, single-intake impeller with a specialized support bracket design, specifically engineered for mission-critical cooling in Industrial Frequency Converters and AHU systems. Driven by a high-efficiency M3G150-NA GreenTech EC motor with integrated power electronics, this 61.0 kg unit operates on a 3-phase 380-480 VAC supply delivering a Max. Power Consumption of 5950 W and a Max. Current Draw of 9.2 A at a rated speed of 1860 RPM. This High-performance unit achieves a Max. Air Flow of 7672.2 CFM (13035.0 m<sup>3</sup>/h / 217.25 m<sup>3</sup>/min) and a Max. Static Pressure of 109.11 mmH<sub>2</sub>O (1070.0 Pa / 4.30 inAq). Featuring a comprehensive suite of intelligent technical features including an integrated PI controller, vibration sensor, and RS-485 MODBUS-RTU (V6.4) interface, this IP55-rated module is optimized for industrial VFD systems requiring precision airflow management and maximum energy efficiency at the end.

K3G560-PC10-L1 Fan Parameters

Model Number: K3G560-PC10-L1

Motor Model: M3G150-NA

Manufacturer: ebmpapst

Type: EC Centrifugal Fan (RadiPac, with support bracket)

Impeller Size: 560 mm

Dimensions: 800 x 800 x 638.5 mm

Weight: 61.0 kg

Bearing Type: Ball bearing

Phase: 3~

Nominal Voltage: 400 VAC

Voltage Range: 380 - 480 VAC

Frequency: 50/60 Hz

Connection Type: Terminal box

Max. Current Draw: 9.2 A

Max. Power Consumption: 5950 W

Rated Speed: 1860 RPM

Max. Air Flow: 7672.2 CFM (13035.0 m<sup>3</sup>/h / 217.25 m<sup>3</sup>/min)

Max. Static Pressure: 109.11 mmH<sub>2</sub>O (1070.0 Pa / 4.30 inAq)

Working Air Flow: 13035.0 m<sup>3</sup>/h

Static Pressure Increase: 1070.0 Pa

Overall Efficiency ( $\eta_{es}$ ): 67.4%

Leakage Current:  $\leq 3.5$  mA (Acc. to IEC 60990, Fig. 4)

Number of Blades: 5

Control Interface: 0-10 VDC / PWM / RS-485 MODBUS-RTU (V6.4)

Technical Features: Integrated PI controller; Vibration sensor; Soft start; Motor current limitation; External 15-50 VDC input (Parameterization); Voltage output 3.3-24 VDC (Pmax 800 mW); Alarm relay; Configurable I/Os; Line undervoltage / Phase failure detection; Passive PFC

Motor Protection: Electronic motor 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 (Support plate/Inlet nozzle)

Impeller Material: Sheet aluminum

EMC Compliance: Immunity acc. to EN 61000-6-2; Emission acc. to EN 61000-6-4

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 K3G560-PC10-L1 centrifugal fan is the primary cooling component for industrial frequency converters and modular air handling units requiring intelligent control, vibration monitoring, and high static pressure.

## Product Images

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Scan for product details:

