

K3G560-PC10-N1 ebmpapst 400V EC Centrifugal Fan 560mm

SKU: K3G560-PC10-N1

Price: \$1,457.78

Categories: Fans

Tags: ebmpapst

Product Link:

<https://www.electspares.com/product/k3g560-pc10-n1-ebmpapst-400v-ec-centrifugal-fan-560mm/>

Product Description

The ebmpapst K3G560-PC10-N1 is an EC Centrifugal Fan with measuring 560 mm in diameter, powered by the M3G150-NA motor. It operates on a nominal voltage of 400 VAC (range 380..480 VAC) at 50 Hz/60 Hz frequencies. The fan delivers an impressive airflow of 13035 m³/h and a pressure increase of 1070 Pa at a speed of 1860 RPM. With a 5950 W power consumption and 9.2 A current draw, it features extensive technical controls like MODBUS and an Integrated PI controller, making it a high-performance, IP55-protected choice for continuous operation (S1) in demanding applications like Air Handling Units (AHU) and industrial climate control.

K3G560-PC10-N1 Fan Parameters

Model: K3G560-PC10-N1

Manufacturer: ebmpapst

Fan Type: EC Centrifugal Fan (Backward-Curved Motorized Impeller)

Dimensions: 560 mm

Motor: M3G150-NA

Phase: 3

Nominal Voltage: 400 VAC

Nominal Voltage Range: 380 VAC..480 VAC

Frequency: 50 Hz/60 Hz

Method of obtaining data: ml

Rated Speed: 1860 RPM

Power Consumption: 5950 W

Current Draw: 9.2 A

Airflow: 13035 m³/h

Pressure Increase: 1070 Pa
Min. Ambient Temperature: $-40\text{ }^{\circ}\text{C}$
Max. Ambient Temperature: $40\text{ }^{\circ}\text{C}$
Weight: 60.5 kg
Motor Size: 150
Rotor Surface: Painted black
Electronics Housing Material: Die-cast aluminum
Impeller Material: Sheet aluminum
Support Plate Material: Sheet steel, galvanized
Support Bracket Material: Steel, painted black
Inlet Nozzle Material: Sheet steel, galvanized
Number of Blades: 5
Direction of Rotation: Clockwise, viewed toward rotor
Degree of Protection: IP55
Insulation Class: "F"
Moisture / Environmental Protection Class: H1
Max. Permitted Ambient Temp. for motor (transport/storage): $+80\text{ }^{\circ}\text{C}$
Min. Permitted Ambient Temp. for motor (transport/storage): $-40\text{ }^{\circ}\text{C}$
Installation Position: See legend on product drawing
Condensation Drainage Holes: On rotor side
Mode: S1
Motor Bearing: Ball bearing
Power Factor Correction (PFC): Passive (through low-capacitance DC link)
EMC Immunity to Interference: According to EN 61000-6-2 (industrial environment)
EMC Interference Emission: According to EN 61000-6-4 (industrial environment)
Touch Current according to IEC 60990 (measuring circuit Fig. 4, TN system): $\leq 3.5\text{ mA}$
Electrical Hookup: Terminal box
Motor Protection: Electronic motor protection
Protection Class Assignment: I; If a protective earth is connected.
Conformity with Standards: EN 61800-5-1; CE
Approval: EAC; UL 1004-7+60730-1; CSA C22.2 No. 77+CAN/CSA-E60730-1

Application

The K3G560-PC10-N1 EC Centrifugal Fan, a high-efficiency RadiPac model, is designed for medium-pressure applications in large commercial and industrial settings. Its combination of high airflow and advanced control features makes it ideal for continuous operation in Air Handling Units (AHU), data centers, clean rooms, and other demanding HVAC systems that require precise, energy-efficient air movement and system monitoring.

Product Images





Scan for product details:

