

K3G225-RE07-03 ebmpapst 230VAC 225mm EC Centrifugal Fan

SKU: K3G225-RE07-03

Price: \$479.89

Categories: Fans

Tags: ebmpapst

Product Link:

<https://www.electspares.com/product/k3g225-re07-03-ebmpapst-230vac-225mm-ec-centrifugal-fan/>

Product Description

The ebmpapst K3G225-RE07-03 (Ident No. M3G055-DF) is a high-performance 230VAC EC Centrifugal Fan with dimensions of 270 x 270 x 131 mm, featuring a RadiCal backward-curved impeller with housing specifically engineered for mission-critical cooling in Industrial Frequency Converters and high-precision HVAC systems. Driven by a high-efficiency EC external rotor motor with integrated electronics and maintenance-free ball bearings, this 2.5 kg unit operates on a 200 - 240 VAC supply delivering a Max. Power Consumption of 170 W and a Max. Current Draw of 1.4 A at a rated speed of 2860 RPM. This High-performance unit achieves a Max. Air Flow of 741.6 CFM (1260.0 m³/h / 21.00 m³/min) and a Max. Static Pressure of 61.18 mmH₂O (600.0 Pa / 2.41 inAq). Featuring intelligent speed regulation via 0-10V/PWM control input, Soft start, and Power limiter, this 7-blade unit with PA plastic construction is optimized for industrial VFD systems requiring advanced motor protection and massive airflow in a passivated thick-film rotor design at the end.

K3G225-RE07-03 Fan Parameters

Model Number: K3G225-RE07-03

Motor Model: M3G055-DF

Manufacturer: ebmpapst

Type: EC Centrifugal Fan (RadiCal, backward-curved, with housing)

Impeller Size: 225 mm

Dimensions: 270 x 270 x 131 mm

Weight: 2.5 kg

Bearing Type: Ball bearing

Phase: 1~

Nominal Voltage: 230 VAC

Nominal Voltage Range: 200 - 240 VAC

Frequency: 50 / 60 Hz

Method of Obtaining Data: ml (Max. load)

Max. Current Draw: 1.4 A

Max. Power Consumption: 170 W

Rated Speed: 2860 RPM

Max. Air Flow: 741.6 CFM (1260.0 m³/h / 21.00 m³/min)

Max. Static Pressure: 61.18 mmH₂O (600.0 Pa / 2.41 inAq)

Working Air Flow: 1260.0 m³/h

Static Pressure Increase: 600.0 Pa

Efficiency Grade N: 77.9

Overall Efficiency η es: 59.2%

Control Interface: Control input 0-10 VDC / PWM (Input resistance > 100 kOhm)

Output Signal: Tach output (1000 pulses/100 revolutions); Output 10 VDC (max. 10 mA)

Technical Features: Soft start; Power limiter; Overvoltage detection; Motor current limitation; Line undervoltage detection

Harmonic Current Compliance: According to DIN EN 61000-3-2

Touch Current (IEC 60990): <= 3.5 mA

Motor Protection: Electronic motor protection; Thermal overload protection for electronics/motor

Insulation Class: Class B

Degree of Protection: IP54

Protection Class: I (if protective earth is connected)

Humidity Class: F3-1

Impeller Material: PA plastic

Housing Material: PA plastic

Rotor Surface: Thick-film passivated

Direction of Rotation: Clockwise (viewed toward rotor)

Installation Position: Any

Mode: S1

Ambient Temperature (Max.): 60 °C

Min. Operating Temperature: -25 °C

Life Expectancy L10: 55,000 h (at 40 °C)

Standard Compliance: EN 60335-1; CE

Approval: UL 1004-7 + 60730-1; EAC; CSA C22.2 No. 77; CCC

Application

The ebmpapst K3G225-RE07-03 centrifugal module is the primary cooling component for industrial frequency converters and high-efficiency HVAC units requiring RadiCal aerodynamic performance and integrated EC electronic protection.

Product Images









Scan for product details:

