

# K3G146-AC15-01 ebmpapst 230VAC 146mm EC Centrifugal Fan

**SKU:** K3G146-AC15-01

**Price:** \$659.97

**Categories:** Fans

**Tags:** ebmpapst

**Product Link:**

<https://www.electspares.com/product/k3g146-ac15-01-ebmpapst-230vac-146mm-ec-centrifugal-fan/>

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## Product Description

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The ebmpapst K3G146-AC15-01 is a high-efficiency EC centrifugal fan assembly powered by the M3G055-DF motor, designed for precision air handling in industrial and residential applications. Featuring a 146 mm impeller and a robust black PP plastic housing, this unit is engineered for optimized air displacement with a power consumption of only 60 W at a rated speed of 910 RPM. The advanced EC motor technology incorporates a comprehensive control interface, supporting 0-10 VDC or PWM speed inputs alongside a Tacho output and a 10 VDC supply for external sensors. To ensure quiet operation, the motor is vibration-damped on both sides within its specialized suspension system. Built for durability, it features galvanized rotor surfaces, premium ball bearings, and thermal overload protection, maintaining reliable S1 continuous operation across an ambient temperature range of -25 °C to 50 °C.

K3G146-AC15-01 Fan Parameters

Model Number: K3G146-AC15-01

Motor Number: M3G055-DF

Manufacturer: ebmpapst

Type: EC Centrifugal Fan

Impeller Size: 146 mm

Motor Size: 55

Weight: 3.4 kg

Bearing Type: Ball bearing

Nominal Voltage: 230 VAC

Voltage Range: 200 - 240 VAC

Phase: 1~

Frequency: 50 / 60 Hz

Power Consumption: 60 W

Nominal Current: 0.5 A

Speed: 910 RPM

Max. Air Flow: 62.23 CFM (105.7 m<sup>3</sup>/h / 1.76 m<sup>3</sup>/min)

Max. Static Pressure: 9.81 mmH<sub>2</sub>O (96.24 Pa / 0.39 inH<sub>2</sub>O)

Min. Back Pressure: 25 Pa (0.1 inAq)

Control Input: 0-10 VDC / PWM

Output Signal: Tacho output; 10 VDC (max. 1.1 mA) supply

Motor Protection: Thermal overload protection (auto reset); Motor current limitation; Soft start

Insulation Class: Class F

Environmental Protection: H0+

Degree of Protection: Motor IP44; Electronics IP20

Electrical Hookup: Plug

Number of Blades: Multi-blade forward curved

Direction of Rotation: Clockwise, viewed toward rotor

Impeller Material: PP plastic

Housing Material: PP plastic, black

Electronics Housing: PP plastic, black

Motor Suspension: Vibration-damped on both sides

Mode: S1 (Continuous operation)

Operating Temperature: -25 - +50 °C

Standard Compliance: EN 60034-1; EN 60204-1; EN 60335-1; CE

Approval Agency: UL 1004-7, CSA C22.2 No. 77

#### Application

The ebmpapst K3G146-AC15-01 EC fan is primarily utilized in residential ventilation systems, cleanroom modules, precision cooling for electronic cabinets, and energy-efficient HVAC units.

## Product Images

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Scan for product details:

