

# K3G190-RC05-03 ebmpapst 230V EC Centrifugal Module RadiCal

**SKU:** K3G190-RC05-03

**Price:** \$493.40

**Categories:** Fans

**Tags:** ebmpapst

**Product Link:**

<https://www.electspares.com/product/k3g190-rc05-03-ebmpapst-230v-ec-centrifugal-module-radical/>

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## Product Description

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The ebmpapst K3G190-RC05-03 is a compact EC centrifugal module from the RadiCal series, designed as a backward-curved, single-intake unit with housing. It measures Ø190 mm in size and has a weight of 1.4 kg. This single-phase fan operates on a nominal voltage of 230 V AC within a 200-240 V AC range, supporting both 50Hz and 60Hz frequencies. It achieves a speed of 3200 RPM, with a power consumption of 83 W and a current draw of 0.75 A.

The module features durable ball bearings and an impeller made of PP plastic with 7 blades. Its rotor surface is thick film passivated, and both the electronics and fan housing are constructed from die-cast aluminum and PA plastic, respectively. The K3G190-RC05-03 boasts an IP54 degree of protection, insulation class "B", and moisture/environmental protection class H1. It includes comprehensive technical features such as 10 VDC output, Tach output, power limiter, motor current limitation, soft start, 0-10 VDC / PWM control input, SELV-isolated control interface, overtemperature protection, thermal overload protection for electronics/motor, and line undervoltage detection. Electrical leads are variable, and it has electronic motor protection. The fan operates reliably within an ambient temperature range of -25 °C to 60 °C, with transport/storage temperatures between -40 °C and +80 °C. It can be installed in any position, has no condensation drainage holes in the open rotor design, and operates in S1 mode. Its touch current is less than or equal to 3.5 mA according to IEC 60990. The product conforms to EN 60034-1, EN 60204-1, EN 60335-1, CE, and UKCA standards, and holds approvals including UL 1004-7 + 60730-1, EAC, CCC, CSA C22.2 No. 77 + CAN/CSA-E60730-1.

K3G190-RC05-03 Fan Parameters

Model: K3G190-RC05-03

Manufacturer: ebmpapst

Type: EC centrifugal module RadiCal, backward-curved, single-intake with housing

Motor: M3G055-BI

Dimensions (Size): 190 mm

Phase: 1~

Nominal Voltage: 230 V AC

Nominal voltage range: 200 .. 240 V AC

Frequency: 50/60 Hz

Speed: 3200 RPM

Power consumption: 83 W

Current draw: 0.75 A

Min. ambient temperature: -25 °C

Max. ambient temperature: 60 °C

Rotor surface: Thick film passivated

Electronics housing material: Die-cast aluminum

Impeller material: PP plastic

Housing material: PA plastic

Number of blades: 7

Direction of rotation: Clockwise, viewed toward rotor

Degree of protection: IP 54

Insulation class: "B"

Humidity class: H1

Min. permissible ambient motor temp. (transp./storage): -40 °C

Max. permissible ambient motor temp. (transp./storage): +80 °C

Installation position: Any

Condensate drainage holes: None, open rotor

Operation mode: S1

Motor bearing: Ball bearing

Technical features (Control/Monitoring): Output 10 VDC, max. 1.1 mA; Tach output; Power limiter; Motor current limitation; Soft start; Control input 0-10 VDC / PWM; Control interface with SELV potential safely disconnected from the mains; Overtemperature protection; Thermal overload protection for electronics/motor; Line undervoltage detection

EMC immunity to interference: According to EN 61000-6-2 (industrial environment)

EMC circuit feedback: According to EN 61000-3-2/3

EMC interference emission: According to EN 61000-6-3 (household environment)

Touch current acc. IEC 60990 (measuring network Fig. 4, TN system): ≤ 3.5 mA

Motor protection: Electronic motor protection

Electrical leads: With cable, variable

Product conforming to standard: EN 60034-1; EN 60204-1; EN 60335-1; CE; UKCA

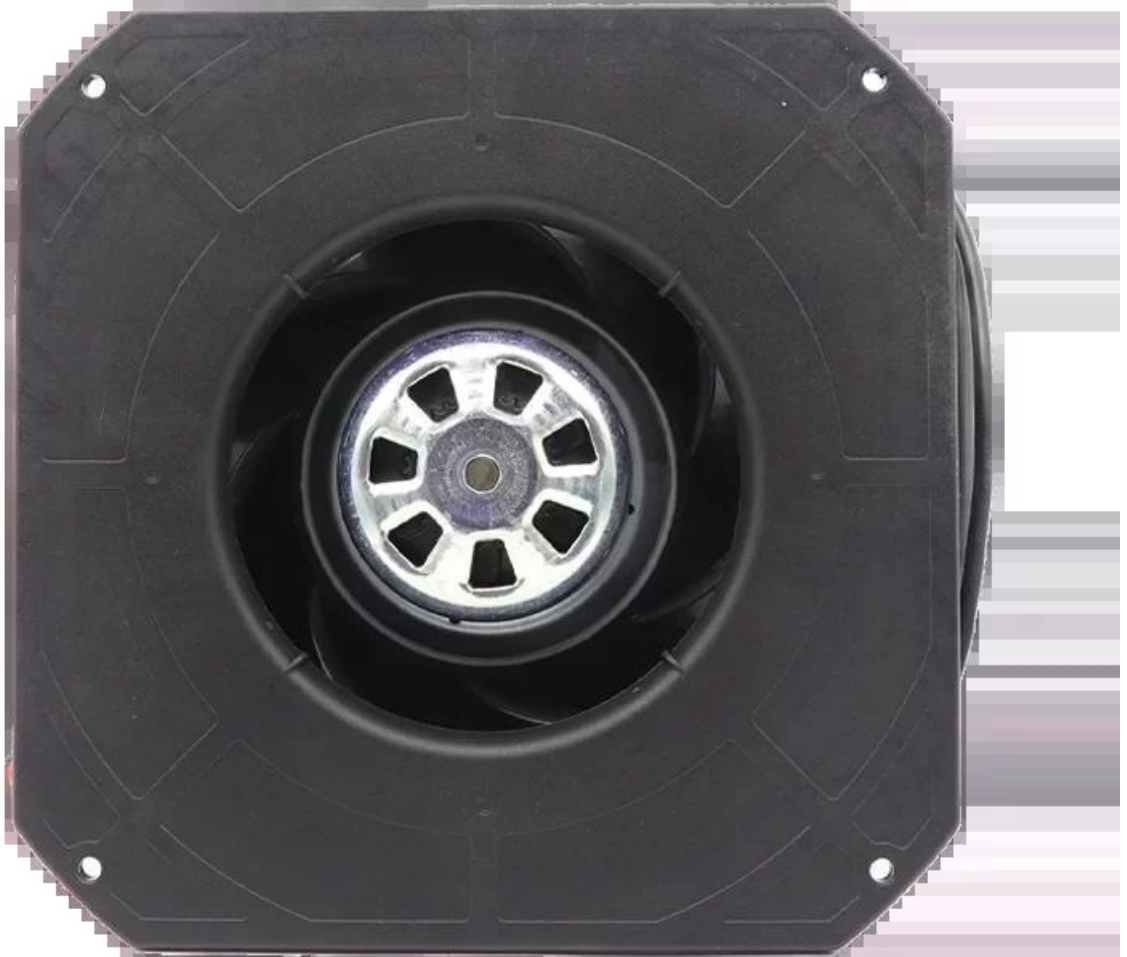
Approval: UL 1004-7 + 60730-1; EAC; CCC; CSA C22.2 No. 77 + CAN/CSA-E60730-1

Weight: 1.4 kg

Application: Heating, ventilation, and air conditioning (HVAC) systems, small air handling units, and general industrial ventilation.

## **Product Images**

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Scan for product details:

