

# R3G220-RC05-03 ebmpapst 230V EC Centrifugal Fan

**SKU:** R3G220-RC05-03

**Price:** \$370.05

**Categories:** Fans

**Tags:** ebmpapst

**Product Link:**

<https://www.electspares.com/product/r3g220-rc05-03-ebmpapst-230v-ec-centrifugal-fan/>

---

## Product Description

---

The ebmpapst R3G220-RC05-03 is a high-efficiency 230V EC Centrifugal Fan (RadiCal® series) with dimensions of 220 mm, featuring a backward curved, single inlet design for optimal airflow. Operating on 230V AC within a nominal voltage range of 200 to 240V at 50/60Hz, this fan draws 0.7A of current and consumes 85W of power, achieving a reliable speed of 2580 RPM.

Constructed with a durable die-cast aluminum housing and a PA plastic impeller, the R3G220-RC05-03 utilizes robust ball bearings for long-term performance. It offers IP54 protection, integrated locked-rotor and over-temperature protection for enhanced safety and reliability. With features like tach output, motor current limit, soft start, and 0-10 VDC / PWM control input, it is an ideal solution for precise and energy-efficient ventilation in applications such as air handling units, heat pumps, cleanrooms, and other industrial air conditioning systems requiring controlled air movement.

R3G220-RC05-03 Fan Parameters

Model: R3G220-RC05-03

Manufacturer: ebmpapst

Type: EC Centrifugal Fan (Backward Curved, Single Inlet)

Motor: M3G055-BI

Phase: 1~

Dimensions: 220 mm

Nominal Voltage: 230 V AC

Nominal Voltage Range: 200 .. 240 V AC

Frequency: 50/60 Hz

Speed: 2580 RPM

Power Input: 85 W

Current Draw: 0.7 A

Weight: 1.13 kg

Min. Ambient Temperature: -25 °C

Max. Ambient Temperature: 60 °C

Material of Electronic Housing: Die-cast aluminium

Material of Impeller: PA plastic

Number of Blades: 7

Direction of Rotation: Clockwise, seen on rotor

Protection Class: IP54

Insulation Class: B

Motor Bearing: Ball Bearing

Motor Protection: Locked-rotor protection, Over-temperature protected electronics / motor

Control Features: Output 10 VDC (max. 1.1 mA), Tach output, Motor current limit, Soft start,

Control input 0-10 VDC / PWM, Control interface with SELV potential

Cable Exit: Variable

Product Conforming to Standard: EN 60335-1

Approval: CCC

Application: Air handling units, heat pumps, cleanrooms, and industrial air conditioning systems.

## **Product Images**

---







---

Scan for product details:

