

R3G220-RC05-07 ebmpapst 230V EC Centrifugal Fan

SKU: R3G220-RC05-07

Price: \$616.75

Categories: Fans

Tags: ebmpapst

Product Link:

<https://www.electspares.com/product/r3g220-rc05-07-ebmpapst-230v-ec-centrifugal-fan/>

Product Description

The ebmpapst R3G220-RC05-07 is a compact EC centrifugal fan with a backward-curved, single-intake design and an external rotor motor, measuring Ø220mm in diameter. This 1-phase fan operates at a nominal voltage of 230VAC within a range of 200-240VAC, suitable for both 50Hz and 60Hz frequencies. It achieves a speed of 2580RPM, consumes 85W of power, and draws 0.7A of current.

The fan features robust ball bearings and has an impeller made of PA plastic with 7 blades. The rotor surface is unpainted. The R3G220-RC05-07 boasts an IP54 degree of protection, insulation class "B", and humidity class H1. It includes electronic motor protection with features such as motor current limitation, soft start, and thermal overload protection for the electronics/motor. Electrical connection is via an STK hookup with a variable cable exit. 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. Its installation position can be any, and it operates in S1 mode with no condensation drainage holes and an open rotor. It demonstrates EMC immunity to interference according to EN 61000-6-2 (industrial environment), EMC circuit feedback according to EN 61000-3-2/3, and EMC interference emission according to EN 61000-6-3 (household environment). It has a touch current of less than or equal to 3.5 mA. Conforming to EN 60335-1 and CE standards, it holds approvals including CCC, C22.2 No.77, CAN/CSA-E60730-1, and UL 1004-7 + 60730. This fan is suitable for industrial refrigeration and freezing equipment, ventilation systems, air conditioning units, and heat pumps.

R3G220-RC05-07 Fan Parameters

Model: R3G220-RC05-07

Manufacturer: ebmpapst

Type: EC centrifugal fan, backward-curved, single-intake

Motor: M3G055-BI
Dimensions (Size): Ø 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
Min. ambient temperature: -25 °C
Max. ambient temperature: 60 °C
Rotor surface: Unpainted
Material of impeller: 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. permitted ambient motor temp. (transp./storage): -40 °C
Max. permitted ambient motor temp. (transp./storage): +80 °C
Installation position: Any
Condensation drainage holes: None, open rotor
Operation mode: S1
Motor bearing: Ball bearing
Technical features (Control/Monitoring): Motor current limitation; Soft start; Thermal overload protection for electronics/motor
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 according to IEC 60990 (measuring circuit Fig. 4, TN system): ≤ 3.5 mA
Electrical hookup: STK
Motor protection: Electronic motor protection
With cable: Variable
Protection class: I (with customer connection of protective earth)
Product conforming to standard: EN 60335-1; CE
Approval: CCC, C22.2 No.77 + CAN/CSA-E60730-1; UL 1004-7 + 60730
Weight: 0.97 kg
Application: Industrial refrigeration and freezing equipment, ventilation systems, air conditioning units, and heat pumps.

Product Images







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