

R3G220-RC05-06 ebmpapst 230VAC 0.7A EC Centrifugal Fan

SKU: R3G220-RC05-06

Price: \$585.68

Categories: Fans

Tags: ebmpapst

Product Link:

<https://www.electspares.com/product/r3g220-rc05-06-ebmpapst-230vac-0-7a-ec-centrifugal-fan/>

Product Description

The ebmpapst R3G220-RC05-06 is a high-performance 230VAC EC Centrifugal Fan featuring a RadiCal backward-curved, single-intake impeller, specifically engineered for mission-critical cooling in Industrial Frequency Converters and precision air handling units. Driven by a high-efficiency EC external rotor M3G055-BI motor with integrated electronics and maintenance-free ball bearings, this 0.97 kg unit operates on a 230 VAC supply (range 200 - 240 VAC) delivering a Max. Power Consumption of 85 W and a Max. Current Draw of 0.7 A at a rated speed of 2580 RPM. This High-performance unit is optimized for industrial VFD systems requiring intelligent airflow control, featuring a 7-blade PA plastic impeller, S1 operation mode, and comprehensive protection including motor current limitation and thermal overload protection for electronics and motor at the end.

R3G220-RC05-06 Fan Parameters

Model Number: R3G220-RC05-06

Motor Model: M3G055-BI

Manufacturer: ebmpapst

Type: EC Centrifugal Fan (RadiCal, backward-curved, single-intake)

Fan Size: 220 mm

Weight: 0.97 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: 0.7 A

Max. Power Consumption: 85 W

Rated Speed: 2580 RPM

Number of Blades: 7

Technical Features: Motor current limitation; Soft start; Thermal overload protection for electronics/motor

Touch Current (IEC 60990): ≤ 3.5 mA

Electrical Hookup: With plug

Motor Protection: Electronic motor protection

Insulation Class: "B"

Degree of Protection: IP54

Protection Class: I (with customer connection of protective earth)

Humidity Class: H1

Impeller Material: PA plastic

Rotor Surface: Unpainted

Direction of Rotation: Clockwise, viewed toward rotor

Installation Position: Any

Condensation Drainage Holes: None, open rotor

Mode: S1

Strength Class of Screws: 8.8

Ambient Temperature (Max.): 60 °C (Transport/Storage: +80 °C)

Min. Operating Temperature: -25 °C (Transport/Storage: -40 °C)

Standard Compliance: EN 60335-1; CE

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

Application

The ebmpapst R3G220-RC05-06 centrifugal fan is the primary cooling component for industrial frequency converters and modular ventilation systems requiring compact EC technology and RadiCal aerodynamic efficiency.

Product Images







Scan for product details:

