

R3G220-RC09-08 ebmpapst 200-240VAC 220mm Centrifugal Fan Datasheet



Brand: ebmpapst

SKU: 989732069790

Category: Axial & Centrifugal Fans

Price: \$342.99

E-mail: sales@equipspares.com

Web: <https://www.equipspares.com>

Product Page:

<https://www.equipspares.com/product/r3g220-rc09-08-ebmpapst-200-240vac-220mm-centrifugal-fan>

Product Description

The ebmpapst R3G220-RC09-08 is a precision-engineered EC Centrifugal Fan designed for demanding industrial thermal management applications. Utilizing advanced GreenTech EC motor technology, this unit delivers superior aerodynamic efficiency while maintaining a compact footprint. The backward-curved impeller design optimizes airflow dynamics, significantly reducing turbulence and associated noise generation while maximizing static pressure capabilities. Constructed with robust materials to ensure structural rigidity, the fan operates with exceptional reliability under continuous load. Its integrated electronics provide precise speed control and monitoring, ensuring optimal thermal impedance regulation within complex systems. The unit features an IP54 ingress protection rating, safeguarding internal components against dust and moisture in harsh operating environments.

Model Number: R3G220-RC09-08

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Product Type: EC Centrifugal Fan (Backward Curved)

Rated Voltage: 200-240 VAC

Frequency: 50/60 Hz

Rated Current: 0.47 A

Power Input: 51 W

Rated Speed: 2070 RPM

Impeller Diameter: 220 mm

Bearing Type: Maintenance-free Ball Bearings

Motor Technology: GreenTech EC Motor

Ingress Protection: IP54

Insulation Class: B

Direction of Rotation: Clockwise, viewed toward rotor

Material of Impeller: PA Plastic (Glass-fiber reinforced)

Mounting Position: Any

Type of Protection: Thermal Overload Protector (TOP) wired internally

Operating Temperature Range: -25 to +60 Degrees Celsius

Approvals: CE, UL, CSA, VDE

Application: Inverter Cooling, Cabinet Ventilation

The R3G220-RC09-08 is specifically engineered for critical cooling applications within industrial automation and power electronics sectors. It is frequently deployed in variable frequency drive (VFD) cabinets and inverter equipment to dissipate heat generated during high-load operations. Additionally, the R3G220-RC09-08 serves as a vital component in server rack cooling systems, telecommunications infrastructure, and precision medical devices where consistent airflow is paramount for component longevity and system stability.

Supplemental Images

