

R3G310-RS05-J1 ebmpapst 380-480VAC 310mm EC Centrifugal Fan Datasheet



Brand: ebmpapst

SKU: [100888525043](#)

Category: Axial & Centrifugal Fans

Price: **\$1,607.99**

E-mail: sales@equipspares.com

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Product Page:

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Product Description

ebm-papst R3G310-RS05-J1 is a 310 mm diameter EC centrifugal fan operating at 380-480 VAC with a 0.78 kW power rating and 2700 rpm nominal speed. The unit features a RadiCal backward-curved impeller constructed from fiberglass-reinforced polypropylene plastic, mounted to a high-efficiency M3G084-FA brushless EC motor. It incorporates integrated control electronics with a 0-10 VDC or PWM control interface, tach output, and RS-485 MODBUS RTU communication. The mechanical assembly utilizes maintenance-free dual ball bearings and achieves an IP 55 protection rating with insulation class F.

R3G310-RS05-J1 Specifications

Model: R3G310-RS05-J1

Brand: ebm-papst

Motor: M3G084-FA

Phase: 3~

Nominal Voltage: 380-480 VAC

Frequency: 50/60 Hz

Input Power: 0.78 kW

Current Draw: 1.25 A

Speed: 2700 rpm

Airflow: 2700 m³/h

Static Pressure: 632 Pa

Impeller Diameter: 310 mm

Number of Blades: 6

Direction of Rotation: Clockwise

Protection Class: IP 55

Insulation Class: F

Operating Temperature: -25 to +60 °C

Storage Temperature: -40 to +80 °C

Bearing Type: Ball bearing

Control Input: 0-10 VDC / PWM

Communication: RS-485 MODBUS RTU

Material: PP plastic impeller, Die-cast aluminum electronics housing

Weight: 5.54 kg

Approvals: CE, UL, CSA, VDE

R3G310-RS05-J1 Applications

Primary applications include integration into precision air conditioning units, server rack cooling systems, and cleanroom ventilation modules. Deployed within industrial heat exchangers, AHU (Air Handling Units), and telecommunications base station thermal management systems.

Supplemental Images

