

R3G355-RB03-10 ebmpapst 230VAC 355mm EC Centrifugal Fan

SKU: R3G355-RB03-10

Price: \$1,349.64

Categories: Fans

Tags: ebmpapst

Product Link:

<https://www.electspares.com/product/r3g355-rb03-10-ebmpapst-230vac-355mm-ec-centrifugal-fan/>

Product Description

The ebmpapst R3G355-RB03-10 is a high-efficiency 230 V single-phase GreenTech EC centrifugal fan featuring a 355 mm backward-curved RadiCal impeller. Driven by the compact M3G074-DF external rotor motor with integrated electronics, this unit delivers an optimized airflow of 2105 m³/h while maintaining an exceptionally high static efficiency grade of N 82.5. The impeller is constructed from durable PP plastic, designed for quiet and energy-saving air displacement in a variety of ventilation scenarios. Featuring a "plug-and-play" electrical hookup and advanced motor protection including soft start and power limiting, the R3G355-RB03-10 offers a reliable, low-maintenance thermal management solution for industrial and commercial HVAC systems across an ambient temperature range of -25 °C to 50 °C.

R3G355-RB03-10 Fan Parameters

Model Number: R3G355-RB03-10

Manufacturer: ebmpapst

Motor Model: M3G074-DF

Series: RadiCal EC Centrifugal Series

Type: EC Centrifugal Fan (Backward-Curved)

Impeller Size: 355 mm

Dimensions: 355 x 355 x 172 mm

Bearing Type: Ball Bearing

Nominal Voltage: 230 VAC

Voltage Range: 200 - 240 VAC

Phase: 1~

Frequency: 50 / 60 Hz

Weight: 3.7 kg

Power Consumption: 205 W

Nominal Current: 2.0 A

Speed: 1350 RPM

Max. Air Flow: 62.23 CFM (105.7 m³/h / 1.76 m³/min)

Max. Static Pressure: 9.81 mmH₂O (96.24 Pa / 0.39 inH₂O)

Efficiency Grade (N): 82.5

Overall Efficiency (η_{es}): 64.7%

Motor Design: Single-phase EC External Rotor Motor

Technical Features: Power limiter; Soft start; Line undervoltage detection

Motor Protection: Electronic motor protection; Thermal overload protection for motor

Insulation Class: Class B

Touch Current: ≤ 3.5 mA

Electrical Hookup: With plug

Number of Blades: 6

Direction of Rotation: Clockwise, viewed toward rotor

Impeller Material: PP plastic

Rotor Surface: Thick-film passivated

Installation Position: Any

Condensation Drainage: None, open rotor

Degree of Protection: IP54 (Installation- and position-dependent)

Environmental Protection Class: F3-1

Operating Temperature: -25 - +50 °C

Standard Compliance: EN 60335-1, CE

Approval Agency: UL 1004-7, CSA C22.2 No. 77

Application

The ebmpapst R3G355-RB03-10 is used in commercial refrigeration condensers, industrial heat exchangers, air conditioning units, cooling for electrical cabinets, and small-scale ventilation systems.

Product Images







Scan for product details:

