

R3G630-RB32-77 ebmpapst 380-480VAC 630mm Centrifugal Fan Datasheet



Brand: ebmpapst

SKU: 787818163582

Category: Axial & Centrifugal Fans

Price: \$2,428.99

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Product Page:

<https://www.equipspares.com/product/r3g630-rb32-77-ebmpapst-380-480vac-630mm-centrifugal-fan>

Product Description

The ebmpapst R3G630-RB32-77 is a high-efficiency EC centrifugal fan module designed for demanding industrial ventilation requirements. Engineered with advanced GreenTech EC motor technology, this unit delivers superior aerodynamic performance through its backward-curved impeller design, optimizing airflow while minimizing acoustic resonance. The robust construction ensures structural rigidity under high-pressure conditions, while the integrated electronics provide precise speed control and thermal management. With a substantial power rating of 2700W and operation across a wide 3-phase voltage range, this fan maintains low thermal impedance, ensuring longevity and reliability in critical cooling applications requiring consistent air movement and electronic protection.

Model Number: R3G630-RB32-77

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Product Type: EC Centrifugal Fan (RadiPac)

Rated Voltage: 400 VAC

Voltage Range: 380 - 480 VAC (3-Phase)

Frequency: 50 / 60 Hz

Rated Current: 5.5 / 4.1 A

Power Consumption: 2600 / 2700 W

Rated Speed: 1400 / 1300 RPM

Bearing Type: Maintenance-free Ball Bearings

Max. Air Flow: 8240 CFM (14000 m³/h)

Max. Static Pressure: 5.62 inH₂O (1400 Pa)

Impeller Diameter: 630 mm

Weight: 32.5 kg

Motor Technology: EC GreenTech

Motor Size: 150

Number of Blades: 7

Blade Material: Aluminum sheet

Rotor Material: Painted black

Electronics Housing Material: Die-cast aluminum

Ingress Protection: IP54

Insulation Class: F

Operating Temperature: -25°C to +80°C

Protection Features: Locked-rotor protection, Phase failure detection, Over-temperature protection electronics/motor

Speed Control: 0-10 VDC / PWM control interface

Compliance: CE, UL, CSA

The R3G630-RB32-77 is engineered for high-capacity air handling units and industrial ventilation systems where reliability is paramount. Frequently integrated into large-scale cooling towers, clean room filtration systems, and precision air conditioning for data centers, the R3G630-RB32-77 ensures consistent thermal regulation. Its robust design also suits variable air volume (VAV) systems and retrofitting projects in commercial HVAC infrastructure, providing energy-efficient operation in continuous-duty environments.

Supplemental Images

