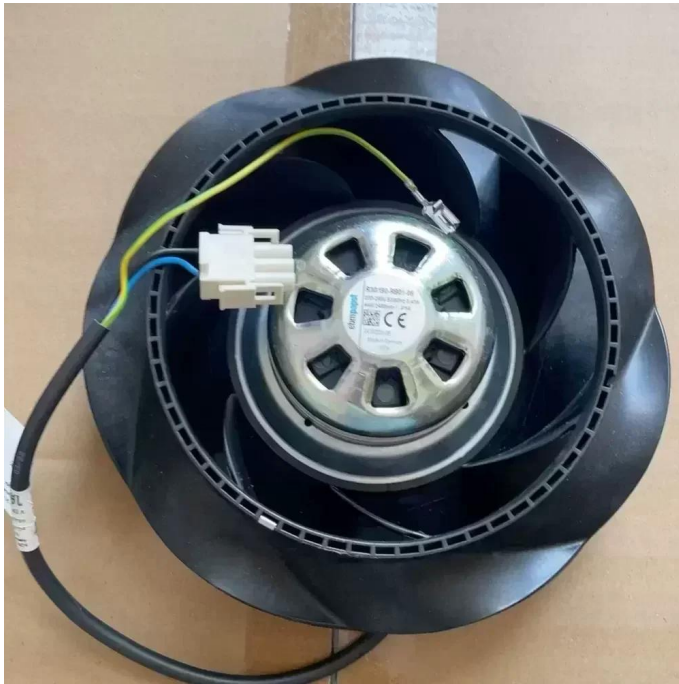


R3G190-RB01-06 ebmpapst 200-240VAC 190mm EC Centrifugal Fan Datasheet



Brand: ebmpapst

SKU: [986515670134](#)

Category: Axial & Centrifugal Fans

Price: **\$385.99**

E-mail: sales@equipspares.com

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

Product Page:

<https://www.equipspares.com/product/r3g190-rb01-06-ebmpapst-200-240vac-190mm-ec-centrifugal-fan>

Product Description

The ebmpapst R3G190-RB01-06 is a precision-engineered EC Centrifugal Fan designed for high-efficiency thermal management in demanding industrial environments. Utilizing advanced GreenTech EC motor technology, this unit integrates the efficiency of direct current motors with the direct mains operation of AC supplies, offering superior energy savings compared to traditional asynchronous motors. The backward-curved impeller design optimizes aerodynamic performance, significantly reducing turbulence and noise generation while ensuring high static pressure capabilities essential for overcoming system resistance. Constructed with robust composite materials to ensure structural rigidity, the fan features maintenance-free ball bearings that extend operational lifespan even under continuous duty. Its integrated electronics provide precise commutation and speed control, making it an ideal solution for systems requiring low thermal impedance and consistent airflow reliability under varying load conditions.

Model Number: R3G190-RB01-06

Brand: ebmpapst

Product Type: EC Centrifugal Fan (Backward Curved)

Rated Voltage: 230 VAC

Voltage Range: 200 - 240 VAC

Frequency: 50 / 60 Hz

Rated Current: 0.43 A

Power Consumption: 44 W
Rated Speed: 2490 RPM
Motor Technology: EC (Electronically Commutated) External Rotor
Motor Type: M3G055-CF
Bearing Type: Maintenance-free Ball Bearings
Max. Air Flow: 335.5 CFM (570 m³/h / 9.5 m³/min)
Max. Static Pressure: 1.45 inH₂O (360 Pa / 36.7 mmH₂O)
Impeller Diameter: 190 mm
Impeller Material: PA Plastic (Polyamide, Glass-fiber reinforced)
Ingress Protection: IP54
Insulation Class: Class B
Operating Temperature: -25°C to +60°C
Mounting Orientation: Any
Number of Blades: 7
Direction of Rotation: Clockwise (viewed toward rotor)
Weight: 1.2 kg
Life Expectancy: > 40,000 Hours (L10 at 40°C)
Termination: Lead wires with original connector interface
Speed Control: 0-10 VDC / PWM Control input
Protection Features: Locked-rotor protection, Soft start, Motor current limitation
Compliance: CE, UL, CSA, VDE

The R3G190-RB01-06 is frequently deployed in critical infrastructure environments such as telecommunications base stations, server cabinet cooling, and industrial control panel ventilation where space is at a premium. Engineers rely on the R3G190-RB01-06 for its ability to deliver sustained airflow in high-back-pressure scenarios found in compact heat exchangers and filtration units. Additionally, this model serves as a vital component in medical device cooling and variable frequency drive (VFD) thermal regulation, where consistent performance, energy efficiency, and ingress protection against dust and moisture are paramount for system longevity.

Supplemental Images

