

RG175/2000-3633-010204 ebmpapst 230V EC Centrifugal Fan

SKU: RG175/2000-3633-010204

Price: \$897.09

Categories: Fans

Tags: ebmpapst

Product Link:

<https://www.electspares.com/product/rg175-2000-3633-010204-ebmpapst-230v-ec-centrifugal-fan/>

Product Description

The ebmpapst RG175/2000-3633-010204 is a high-performance 230VAC EC Centrifugal Fan featuring a 175 mm specialized backward-curved RadiCal impeller and a fully encapsulated EC external rotor motor, specifically engineered for mission-critical cooling in Industrial Frequency Converters and high-pressure AHU systems. Driven by an integrated high-speed electronic commutation system with maintenance-free ball bearings and IP68-rated environmental protection, this 1.45 kg unit operates at 230 VAC delivering a Max. Power Consumption of 240.0 W and a Max. Current Draw of 1.05 A at a rated speed of 8400 RPM. This High-performance unit achieves a Max. Air Flow of 216.0 m³/h (127.1 CFM / 3.60 m³/min) and a Max. Static Pressure of 428.28 mmH₂O (4200.0 Pa / 16.86 inAq). Featuring integrated PWM speed control and a tachometer signal output (4-wire), this unit is optimized for environments requiring extreme reliability, industrial-grade moisture resistance, and high-static pressure management in VFD systems at the end.

RG175/2000-3633-010204 Fan Parameters

Model Number: RG175/2000-3633-010204

Manufacturer: ebmpapst

Type: EC Centrifugal Fan (Backward-curved)

Impeller Size: 175 mm

Weight: 1.45 kg

Origin: Germany

Bearing Type: Ball bearing (Long-time lubrication)

Phase: 1~

Nominal Voltage: 230 VAC

Voltage Range: 200 - 240 VAC

Connection Type: 4-wire (PWM speed control / Tachometer signal)

Frequency: 50 Hz

Max. Current Draw: 1.05 A

Max. Power Consumption: 240.0 W

Rated Speed: 8400 RPM

Max. Air Flow: 127.1 CFM (216.0 m³/h / 3.60 m³/min)

Max. Static Pressure: 428.28 mmH₂O (4200.0 Pa / 16.86 inAq)

Working Air Flow: 216.0 m³/h

Static Pressure Increase: 4200.0 Pa

Motor Protection: Electronic blocking / Over-temperature protection

Insulation Class: Class B

Degree of Protection: IP68 (Fully encapsulated motor)

Number of Blades: 7

Direction of Rotation: Clockwise (viewed toward rotor)

Impeller Material: PA plastic (Glass-fiber reinforced)

Ambient Temperature (Max.): 60 °C

Min. Operating Temperature: -25 °C

Standard Compliance: CE; EAC; UL; VDE

Application

The ebmpapst RG175/2000-3633-010204 centrifugal fan is the primary cooling component for industrial frequency converters and high-density electronic enclosures requiring IP68-rated waterproof protection and extreme-static pressure performance.

Product Images







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