

RG148/1200-3633-010202 ebmpapst 230VAC Centrifugal Blower Datasheet



Brand: ebmpapst

SKU: 946077178362

Category: Axial & Centrifugal Fans

Price: \$1,299.99

E-mail: sales@equipspares.com

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Product Page:

<https://www.equipspares.com/product/rg148-1200-3633-010202-ebmpapst-230vac-centrifugal-blower>

Product Description

The ebmpapst RG148/1200-3633-010202 is a specialized centrifugal blower designed for high-efficiency industrial applications, particularly within gas condensing boiler systems and precision combustion setups. Engineered with a robust AC motor architecture, this unit ensures consistent airflow delivery against significant back pressure, a critical requirement for overcoming heat exchanger resistance. The construction features a durable die-cast aluminum housing that provides exceptional structural rigidity and effective thermal impedance management. Utilizing precision ball bearings, the fan minimizes frictional losses and extends operational service life under continuous load. Its aerodynamic impeller design optimizes fluid dynamics to reduce noise generation while maintaining high static pressure capabilities, making it a critical component for thermal regulation and combustion air supply.

Model Number: RG148/1200-3633-010202

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Product Type: Centrifugal Gas Blower

Rated Voltage: 230 VAC

Frequency: 50/60 Hz

Phase: Single Phase

Motor Technology: AC Induction Motor

Bearing Type: Ball Bearing

Housing Material: Die-cast Aluminum
Impeller Material: Sheet Steel / Aluminum
Max. Speed: 2800 RPM (Approximate for Series)
Termination: Lead Wires / Connector Interface
Insulation Class: Class F
Ingress Protection: IP20
Mounting Orientation: Any
Operating Temperature: -25°C to +70°C
Storage Temperature: -40°C to +80°C
Weight: 1.4 kg
Compliance: CE, VDE
Application: Gas Condensing Boilers, Premix Burners
Cooling Type: Active Air Cooling

This centrifugal blower is primarily utilized in gas condensing boilers and premix burner systems where precise air-fuel mixture control is essential for optimal combustion efficiency. The RG148/1200-3633-010202 excels in environments requiring high static pressure to overcome the resistance of compact heat exchangers. Additionally, the RG148/1200-3633-010202 is suitable for industrial hot air generation, specialized ventilation in machinery, and thermal processing equipment. Its robust design ensures reliability in critical heating and HVAC infrastructure, maintaining performance even under demanding thermal cycles.

Supplemental Images

