

R3G310-AZ88-01 ebmpapst 400V EC Centrifugal Fan 310mm

SKU: R3G310-AZ88-01

Price: \$863.46

Categories: Fans

Tags: ebmpapst

Product Link:

<https://www.electspares.com/product/r3g310-az88-01-ebmpapst-400v-ec-centrifugal-fan-310mm/>

Product Description

The ebmpapst R3G310-AZ88-01 is an EC Centrifugal Fan with measuring 310 mm in diameter, powered by the M3G112-IA motor. This three-phase fan operates on a nominal voltage of 400 VAC (range 380..480 VAC) at 50 Hz/60 Hz frequencies. It delivers a maximum air performance of 4085 m³/h and a static pressure increase of 1567 Pa at a high speed of 4100 RPM. With a power consumption of 3240 W and a current draw of 4.9 A, the R3G310-AZ88-01 is built for continuous operation (S1) and features IP54 protection, making it suitable for applications requiring high pressure, compact design, and variable speed control in industrial HVAC and air handling systems.

R3G310-AZ88-01 Fan Parameters

Model: R3G310-AZ88-01

Manufacturer: ebmpapst

Fan Type: EC Centrifugal Fan (Backward-Curved Motorized Impeller)

Dimensions: 310 mm

Motor: M3G112-IA

Phase: 3

Nominal Voltage: 400 VAC

Nominal Voltage Range: 380 VAC..480 VAC

Frequency: 50 Hz/60 Hz

Method of obtaining data: maximum load

Rated Speed: 4100 RPM

Power Consumption: 3240 W

Current Draw: 4.9 A

Airflow: 4085 m³/h

Pressure Increase: 1567 Pa
Min. Ambient Temperature: -25 °C
Max. Ambient Temperature: 40 °C
Weight: 15 kg
Motor Size: 112
Rotor Surface: Painted black
Electronics Housing Material: Die-cast aluminum
Impeller Material: Sheet aluminum
Number of Blades: 7
Direction of Rotation: Clockwise, viewed toward rotor
Degree of Protection: IP54
Insulation Class: "B"
Humidity Class: F4-1
Max. Permitted Ambient Temp. for motor (transport/storage): +80 °C
Min. Permitted Ambient Temp. for motor (transport/storage): -40 °C
Installation Position: Shaft horizontal or rotor on bottom
Condensation Drainage Holes: On rotor side
Mode: S1
Motor Bearing: Ball bearing
EMC Immunity to Interference: According to EN 61000-6-2 (industrial environment)
EMC Interference Emission: According to EN 61000-6-3 (household environment)
Touch Current according to IEC 60990 (measuring circuit Fig. 4, TN system): ≤3.5 mA
Electrical Hookup: Terminal box
Motor Protection: Reverse polarity and locked-rotor protection
Protection Class Assignment: I (if protective earth is connected by customer)
Conformity with Standards: CE
Approval: EAC; UL 1004-7+60730

Application

The R3G310-AZ88-01 EC Centrifugal Fan is an ideal solution for applications requiring high-pressure airflow in a relatively compact size. It is typically used in small-to-medium Air Handling Units (AHU), heat exchangers, clean rooms, control panel cooling, and industrial ventilation systems where the high static pressure capability of a backward-curved impeller is essential to overcome system resistance.

Product Images









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