

R3G470-AB05-24 ebmpapst 200-240V EC Centrifugal Fan

SKU: R3G470-AB05-24

Price: \$610.16

Categories: Fans

Tags: ebmpapst

Product Link:

<https://www.electspares.com/product/r3g470-ab05-24-ebmpapst-200-240v-ec-centrifugal-fan/>

Product Description

The ebmpapst R3G470-AB05-24 is an EC centrifugal fan equipped with an external rotor motor, measuring Ø470 mm in diameter. This fan is designed for operation on a nominal voltage range of 200-240 V AC and is compatible with both 50Hz and 60Hz power supplies. It achieves a consistent speed of 1440 RPM, with a power input of 350 W and a current draw of 1.55 A.

The fan incorporates durable ball bearings and features an impeller constructed from black-coated sheet steel, comprising 7 blades. Its rotor surface is also coated in black. The R3G470-AB05-24 offers an IP20 degree of protection, an insulation class of "B", and a humidity class of F0. Integrated technical features include speed monitoring via a Hall IC and an over-temperature protected motor, with motor protection facilitated by a PTC resistor. Electrical connection is provided via a plug with a variable cable exit. The fan operates reliably within an ambient temperature range of 0 °C to 40 °C, and is suitable for transport/storage temperatures between -40 °C and +80 °C. It can be installed in any position where the shaft is horizontal or the rotor is on top, features no condensation drainage holes, and operates in S1 mode. Its touch current is less than or equal to 3.5 mA according to IEC 60990 (measuring network Fig. 4, TN system). The product conforms to EN 61800-5-1 standard and is classified as Protection Class I, provided a protective earth is connected by the customer.

R3G470-AB05-24 Fan Parameters

Model: R3G470-AB05-24

Manufacturer: ebmpapst

Type: EC centrifugal fan

Motor: M3G084-DF

Dimensions (Size): 470 mm

Nominal Voltage: 200-240 V AC

Frequency: 50/60 Hz

Speed: 1440 RPM

Power input: 350 W

Current draw: 1.55 A

Min. ambient temperature: 0 °C

Max. ambient temperature: 40 °C

Rotor surface: Coated in black

Material of impeller: Sheet steel, coated in black

Number of blades: 7

Direction of rotation: Counter-clockwise, seen on rotor

Type of protection: IP 20

Insulation class: "B"

Humidity class: F0

Min. permissible ambient motor temp. (transp./storage): -40 °C

Max. permissible ambient motor temp. (transp./storage): +80 °C

Mounting position: Shaft horizontal or rotor on top

Condensate drainage holes: None

Cooling bore / aperture: Rotor-side

Operation mode: S1

Motor bearing: Ball bearing

Technical features (Control/Monitoring): Speed monitoring Hall IC; Over-temperature protected motor

Touch current acc. IEC 60990 (measuring network Fig. 4, TN system): ≤ 3.5 mA

Electrical leads: With plug

Motor protection: PTC resistor

Cable exit: Variable

Protection class: I (if protective earth is connected by customer)

Product conforming to standard: EN 61800-5-1

Weight: 5.28 kg

Application: Industrial refrigeration and freezing equipment, ventilation systems, air conditioning units, and heat pumps.

Product Images







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