

R3G470-AA05-24 ebmpapst 230VAC 470mm EC Centrifugal Fan

SKU: R3G470-AA05-24

Price: \$519.89

Categories: Fans

Tags: ebmpapst

Product Link:

<https://www.electspares.com/product/r3g470-aa05-24-ebmpapst-230vac-470mm-ec-centrifugal-fan/>

Product Description

The ebmpapst R3G470-AA05-24 is a specialized 230VAC EC Centrifugal Fan featuring a 470 mm backward-curved, single-intake impeller, designed to operate in conjunction with the CHW035-AB02-01 external controller for mission-critical cooling in Industrial Frequency Converters and AHU systems. Driven by a M3G084-DF EC motor with a black-painted rotor surface, this 5.45 kg unit operates on a 1-phase 200-240 VAC supply delivering a Max. Power Consumption of 350 W (Output: 265 W) and a Max. Current Draw of 1.6 A at a rated speed of 120 RPM. Achieving a high-efficiency airflow profile, this 7-blade unit is constructed from sheet steel and is optimized for dry environments (H0) requiring precision speed monitoring via Hall IC. With its IP20 rating and Class B insulation, this unit is engineered for industrial VFD systems requiring horizontal shaft or rotor-on-top installation with electronic motor protection at the end.

R3G470-AA05-24 Fan Parameters

Model Number: R3G470-AA05-24

Motor Model: M3G084-DF

External Controller: CHW035-AB02-01 (Required for operation)

Manufacturer: ebmpapst

Type: EC Centrifugal Fan (Backward-curved, single-intake)

Impeller Size: 470 mm

Dimensions: 550 x 550 x 128 mm

Weight: 5.45 kg

Bearing Type: Ball bearing

Phase: 1~

Nominal Voltage: 230 VAC

Nominal Voltage Range: 200 - 240 VAC

Frequency: 50 / 60 Hz

Max. Current Draw: 1.6 A

Max. Power Consumption: 350 W (Input)

Output Power: 265 W

Rated Speed: 120 RPM

Number of Blades: 7

Technical Features: Speed monitoring (Hall IC); Thermal overload protection for motor; Cooling hole on rotor side

Motor Protection: Electronic motor protection

Electrical Hookup: Connector with cable

Touch Current (IEC 60990): ≤ 3.5 mA

Insulation Class: Class B

Degree of Protection: IP20

Protection Class: I (with customer protective earth connection)

Environmental Protection Class: H0 (Dry environment)

Housing Material: Sheet steel, painted black

Impeller Material: Sheet steel, painted black

Rotor Surface: Painted black

Direction of Rotation: Counterclockwise (viewed toward rotor)

Installation Position: Shaft horizontal or rotor on top

Mode: S1 (Continuous operation)

Ambient Temperature (Max. Storage): +80 °C

Min. Operating Temperature (Storage): -40 °C

Standard Compliance: EN 61800-5-1

Application

The ebmpapst R3G470-AA05-24 centrifugal fan is the primary cooling component for industrial frequency converters and air distribution systems requiring low-speed precision airflow and integration with external CHW035 series controllers.

Product Images







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