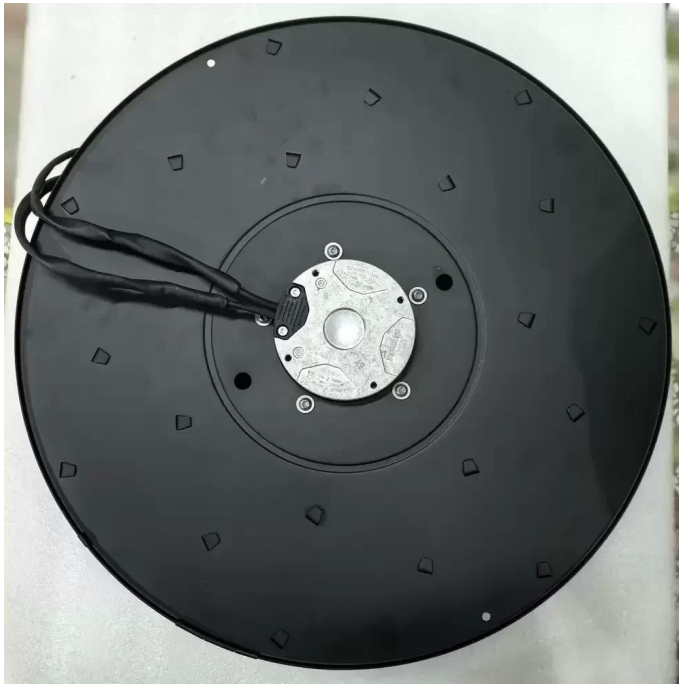


# R3G470-AA05-24 ebmpapst 200-240VAC 470mm EC Centrifugal Fan Datasheet



**Brand:** ebmpapst

**SKU:** [1008994396347](#)

**Category:** Axial & Centrifugal Fans

**Price:** **\$412.99**

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Product Page:

<https://www.equipspares.com/product/r3g470-aa05-24-ebmpapst-200-240vac-470mm-ec-centrifugal-fan>

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## Product Description

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The ebmpapst R3G470-AA05-24 is a precision-engineered EC centrifugal fan designed for demanding industrial thermal management applications. Utilizing advanced GreenTech EC motor technology, this unit delivers superior energy efficiency compared to traditional AC counterparts while maintaining high torque stability. The aerodynamic impeller geometry is optimized to minimize turbulence and acoustic noise, ensuring optimal airflow delivery against significant static pressure resistance. Constructed with robust materials to ensure structural rigidity, the fan features an integrated electronics unit for precise speed control and monitoring. Its thermal impedance characteristics make it suitable for continuous operation in variable load environments, providing reliable cooling performance with a long operational lifespan.

Model Number: R3G470-AA05-24

Brand: ebmpapst

Product Type: EC Centrifugal Fan

Rated Voltage: 200-240 VAC

Frequency: 50/60 Hz

Rated Current: 1.6 A

Power Input: 350 W

Power Output: 265 W

Rated Speed: 1210 RPM

Impeller Diameter: 470 mm

Motor Type: M3G084-FA

Motor Technology: EC (Electronically Commutated)

Bearing Type: Ball Bearing

IP Rating: IP20

Phase: Single Phase

Insulation Class: B

Min. Ambient Temperature: -25 °C

Max. Ambient Temperature: +60 °C

Blade Material: PA plastic (Glass-fiber reinforced)

Rotor Material: Die-cast aluminum

Number of Blades: 7

Direction of Rotation: Clockwise (viewed toward rotor)

Mounting Position: Shaft horizontal or rotor on bottom; rotor on top on request

Motor Protection: Thermal overload protector (TOP) wired internally

Touch Current:  $\leq 3.5$  mA

Cable Exit: Variable

Approvals: CE, CSA, UL, VDE

The R3G470-AA05-24 is engineered for high-efficiency ventilation systems requiring precise airflow control and reliability. Common deployments include air handling units (AHUs), clean room technology, and complex filtration systems where consistent pressure is critical. The R3G470-AA05-24 is also frequently utilized in electronics cooling for large-scale server rooms and industrial drive cooling applications, ensuring components remain within safe thermal operating limits during peak loads.

## Supplemental Images

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