

# R3G560-RA24-03 ebmpapst 400V EC Centrifugal Fan 560mm

**SKU:** R3G560-RA24-03

**Price:** \$470.98

**Categories:** Fans

**Tags:** ebmpapst

**Product Link:**

<https://www.electspares.com/product/r3g560-ra24-03-ebmpapst-400v-ec-centrifugal-fan-560mm/>

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## Product Description

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The ebmpapst R3G560-RA24-03 is an EC Centrifugal Fan with measuring 560 mm in diameter, powered by the M3G150-FF motor. Operating on a nominal voltage of 400 VAC (range 380..480 VAC) at 50 Hz/60 Hz frequencies, this three-phase fan is part of the high-efficiency RadiCal series. It delivers a maximum airflow of 9920 m<sup>3</sup>/h at a speed of 1750 RPM, with a maximum power input of 3500 W and a current draw of 5.4 A. Featuring IP55 protection and advanced controls like an Integrated PI controller and MODBUS compatibility, it is an energy-efficient solution for continuous operation (S1) in Air Handling Units (AHU), clean rooms, and high-capacity ventilation systems.

R3G560-RA24-03 Fan Parameters

Model: R3G560-RA24-03

Manufacturer: ebmpapst

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

Dimensions: 560 mm

Motor: M3G150-FF

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: 1750 RPM

Power Consumption: 3500 W

Current Draw: 5.4 A

Airflow: 9920 m<sup>3</sup>/h (at 0 Pa)

Min. Ambient Temperature: -40 °C

Max. Ambient Temperature: 40 °C

Weight: 21.6 kg

Motor Size: 150

Rotor Surface: Painted black

Electronics Housing Material: Die-cast aluminum

Impeller Material: PP plastic

Number of Blades: 6

Direction of Rotation: Clockwise, viewed toward rotor

Degree of Protection: IP55

Insulation Class: "F"

Moisture / Environmental Protection Class: H1

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, with exceptions)

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 (with customer connection of protective earth)

Conformity with Standards: EN 61800-5-1; CE

Approval: EAC; UL 1004-7+60730-1; CSA C22.2 No. 77+CAN/CSA-E60730-1

#### Application

The R3G560-RA24-03 EC Centrifugal Fan is a high-performance unit specifically designed for high system pressure applications without a scroll housing. Its efficiency and integrated controls (including MODBUS and a PI controller) make it optimal for precise air management in Air Handling Units (AHU), clean room systems, commercial HVAC installations, and other industrial cooling and ventilation systems.

## Product Images

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Scan for product details:

