

R3G560-RA25-21 EBM-Papst 400VAC 560mm EC Centrifugal Fan Datasheet



Brand: ebmpapst

SKU: 759075021778

Category: Axial & Centrifugal Fans

Price: \$3,642.99

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Product Page:

<https://www.equipspares.com/product/r3g560-ra25-21-ebm-papst-400vac-560mm-ec-centrifugal-fan>

Product Description

The EBM-Papst R3G560-RA25-21 is a high-efficiency backward curved centrifugal fan engineered with advanced GreenTech EC motor technology. This unit features the RadiCal impeller design, utilizing high-performance composite materials to minimize rotating mass and optimize aerodynamic efficiency. The integrated electronics provide precise speed control via 0-10V or PWM interfaces, ensuring optimal thermal management. Its structural rigidity and low thermal impedance make it suitable for demanding industrial environments. The motor is equipped with maintenance-free ball bearings, ensuring long-term reliability and reduced acoustic emissions while delivering substantial airflow against high static pressure requirements.

Model Number: R3G560-RA25-21

Brand: EBM-Papst

Product Type: Backward Curved Centrifugal Fan

Series: RadiCal

Motor Technology: EC (Electronically Commutated)

Rated Voltage: 400 VAC (3-Phase)

Voltage Range: 380 - 480 VAC

Frequency: 50 / 60 Hz

Rated Power: 2950 W

Rated Current: 4.6 A

Rated Speed: 1760 RPM

Max. Air Flow: 7828 CFM (13300 m³/h)

Max. Static Pressure: 4.82 inH₂O (1200 Pa)

Impeller Diameter: 560 mm

Overall Dimensions: 560 mm x 560 mm x 285 mm

Weight: 32.5 kg

Bearing Type: Ball Bearing

Impeller Material: PA Plastic (Glass-fiber reinforced)

Housing Material: Galvanized Sheet Steel

Control Input: 0-10 VDC / PWM

Communication: MODBUS-RTU

Ingress Protection: IP54

Insulation Class: F

Operating Temperature: -25°C to +60°C

Motor Protection: Thermal Overload Protector (TOP) wired internally

Approvals: UL, CSA, CE, CCC, VDE

Phase: 3~

Number of Blades: 7

Direction of Rotation: Clockwise (viewed toward rotor)

The R3G560-RA25-21 is specifically designed for high-demand air handling units and precision cooling systems. Common deployments include large-scale air purifiers, clean room filtration systems, and industrial ventilation setups where consistent airflow is critical. The R3G560-RA25-21 is also frequently utilized in data center cooling infrastructure and hybrid rooftop units, providing reliable thermal regulation for sensitive electronic equipment and HVAC machinery requiring efficient EC technology.

Supplemental Images

