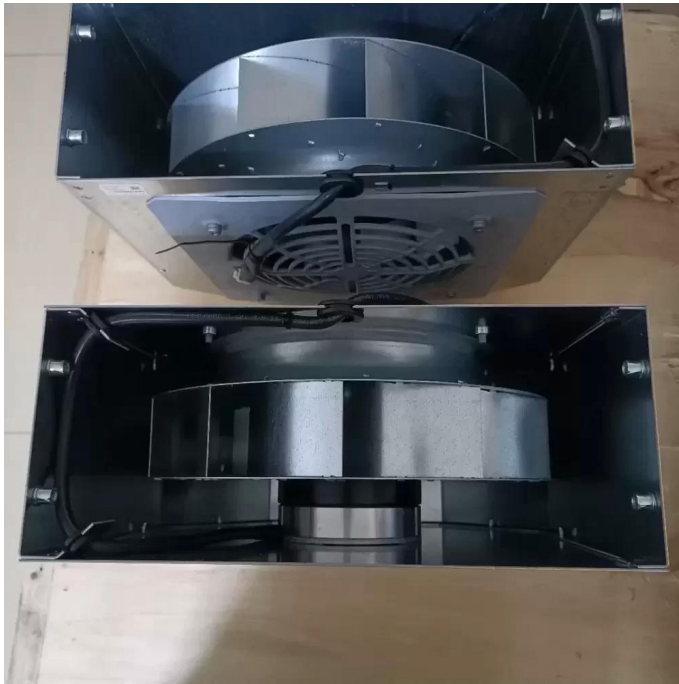


R3G280-AH33-31 ebm-papst 230VAC 280mm EC Centrifugal Fan Datasheet



Brand: ebmpapst

SKU: [768358545334](#)

Category: Axial & Centrifugal Fans

Price: **\$1,295.99**

E-mail: sales@equipspares.com

Web: <https://www.equipspares.com>

Product Page:

<https://www.equipspares.com/product/r3g280-ah33-31-ebm-papst-230vac-280mm-ec-centrifugal-fan>

Product Description

The ebm-papst R3G280-AH33-31 is a high-efficiency EC centrifugal fan designed for demanding industrial ventilation applications. Featuring the advanced RadiCal impeller geometry, this unit optimizes aerodynamic performance while significantly reducing noise emissions and turbulence. The integrated GreenTech EC motor technology ensures superior energy efficiency compared to traditional AC counterparts, offering precise speed control via 0-10V or PWM interfaces. Constructed with a robust composite impeller and maintenance-free ball bearings, the fan delivers exceptional structural rigidity and long-term reliability. Its thermal management system and compact footprint make it ideal for systems requiring high static pressure and consistent airflow under varying load conditions.

Model Number: R3G280-AH33-31

Brand: ebm-papst

Product Type: EC Centrifugal Fan (Backward Curved)

Rated Voltage: 230 VAC

Voltage Range: 200 - 240 VAC

Frequency: 50 / 60 Hz

Rated Power: 375 W

Rated Current: 1.70 A

Rated Speed: 2410 RPM

Max. Air Flow: 1341 CFM (2280 m³/h)
Max. Static Pressure: 2.41 inH₂O (600 Pa)
Impeller Diameter: 280 mm
Bearing Type: Ball Bearing
Motor Technology: GreenTech EC motor (M3G084-DF)
Control Interface: 0-10 VDC / PWM
Speed Signal: Tach Output
Ingress Protection: IP54
Insulation Class: B
Impeller Material: PA plastic (glass-fiber reinforced)
Electronics Housing Material: Die-cast aluminum
Direction of Rotation: Clockwise (viewed toward rotor)
Mounting Orientation: Any
Operating Temperature: -25 to +60 °C
Leakage Current: ≤ 3.5 mA
Motor Protection: Thermal overload protector (TOP) wired internally
Weight: 3.3 kg
Certifications: UL 1004-7, CSA C22.2 No. 77, CE, VDE

This R3G280-AH33-31 is engineered for precision air movement in critical infrastructure environments. Commonly utilized in data center cooling units, the R3G280-AH33-31 ensures optimal thermal regulation for server racks and IT equipment. It is also frequently deployed in HVAC air handling units, clean room filtration systems, and industrial control cabinet cooling, where consistent pressure and variable speed control are essential for system stability.

Supplemental Images

