



R3G225-RE07-03 ebmpapst

Brand: ebmpapst

SKU: R3G225-RE07-03

Category: Centrifugal compact fans

URL: <https://www.fansco.com/item/r3g225-re07-03-ebmpapst/>

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Product Description

R3G225-RE07-03 ebmpapst AC 2860RPM 960m3/h 200~240V 50/60Hz 230VAC Ball Bearing 170W 2Wire Leads IP54 EC centrifugal fan RadiCa

The R3G225-RE07-03 EC centrifugal fan is an ebm-papst product from the RadiCal backward-curved single-intake series, designed for 230VAC single-phase power (200-240VAC wide range) with 50/60Hz frequency compatibility. It features a rated speed of 2860rpm, 170W power consumption, 1.4A current draw, and operates in -25°C to 60°C environments. With a 225mm diameter and 1.75kg weight, the fan incorporates a 7-blade PA plastic impeller and die-cast aluminum housing, complemented by a thick-film passivated rotor. It offers IP54 protection, Class B insulation, and supports arbitrary installation in continuous operation (S1 mode) with ball bearings and an open rotor configuration.

Technically, it integrates 0-10V/PWM speed control, tach output (1 pulse/rev), 10V/10mA regulated output, soft start, motor current limitation, overvoltage/undervoltage detection, and electronic thermal overload protection, with SELV-isolated control interfaces. Meeting EU Ecodesign 327/2011 standards, it achieves 61.7% overall efficiency (vs. 43.3% requirement) and 80.4% static efficiency grade (vs. 62% requirement), with optimal performance at 705m³/h airflow and 458Pa static pressure. At 50Hz free air, maximum airflow reaches 1310m³/h. Certified by CSA, CCC, EAC, UL 1004-7, etc., and EMC-compliant per EN 61000-6-2/-4, it requires an optional inlet ring (96358-2-4013, non-standard) for installation, suitable for high-efficiency ventilation applications.

Technical Specifications

Attribute	Value
Part Number	R3G225-RE07-03
Manufacturer	ebm-papst
Fan Speed	2860 RPM
Air Flow	765.2 CFM
Voltage Range	200~240V
Frequency	50/60 Hz
Fan Type	AC

Air Flow (m3)	21.43m ³ /min
Series	R3G225RE
Voltage Rating	230 VAC
Bearing Type	Ball Bearing
Subcategory	Motorized Impellers
Features	Electronic Commutation (EC)
Power Rating	170 W
Termination	2 Wire Leads
IP Rating	IP54
Operating Temperature	-13 ~ 140°F (-25 ~ 60°C)
Approval Agency	UL
Weight	3.9 lbs (1.8 kg)
Subcategory	EC centrifugal fan - RadiCal





