



R3G250-PR04-H1 ebmpapst

Brand: ebmpapst

SKU: R3G250-PR04-H1

Category: Centrifugal compact fans

URL: <https://www.fansco.com/item/r3g250-pr04-h1-ebmpapst/>

Contact: sales@fansco.com

Product Description

R3G250-PR04-H1 ebmpapst AC 3080RPM 1750m3/h 200~277V 50/60Hz centrifugal fan

The R3G250-PR04-H1 is an EC centrifugal fan by ebm-papst (RadiPac series, backward-curved impeller design) designed for medium-to-high pressure applications like industrial ventilation and air conditioning, featuring single-phase electrical specs: 230VAC rated voltage (200-277VAC range), 50/60Hz frequency, 3080rpm speed, 500W power, 2.3A current, and -25°C to 45°C operating temperature (-40°C to 80°C for transport/storage); mechanically, it has a 250mm size, 4.3kg weight, PP plastic impeller, die-cast aluminum housing, 6 clockwise blades, IP55 protection, F-class insulation, H1 environmental rating, horizontal/rotor-down installation (rotor-up on request), condensation drainage, ball bearings, and S1 continuous mode; technologically integrated with PID controller, RS-485 MODBUS-RTU, 0-10V/PWM input, soft start, power limiter, thermal protection, EMC-compliant with EN 61000, CE/CCC/UL-certified, achieving 67.8% overall efficiency (vs. 48.5% requirement), 81.3 efficiency grade, variable speed drive, and optimal efficiency parameters: 0.51kW power, 1800m³/h airflow, 635Pa pressure, 3065rpm speed, 45-77dB(A) noise, with optional inlet ring (sold separately) and requiring reliable grounding/clear airflow for installation in energy-efficient, intelligent, and durable industrial environments.

Technical Specifications

Attribute	Value
Part Number	R3G250-PR04-H1
Manufacturer	ebm-papst
Fan Speed	3080 RPM
Voltage Range	200~277V
Frequency	50/60 Hz
Fan Type	AC
Air Flow (m3)	1750 m3/h
Dimensions	250 mm
Voltage Rating	230 VAC

Power Rating	500 W
Current Rating	2.3 A
IP Rating	IP55
Subcategory	EC centrifugal fan - RadiCal



