

R3G560-AH23-01 ebmpapst 400V EC Centrifugal Fan

SKU: R3G560-AH23-01

Price: \$3,182.46

Categories: Fans

Tags: ebmpapst

Product Link:

<https://www.electspares.com/product/r3g560-ah23-01-ebmpapst-400v-ec-centrifugal-fan/>

Product Description

The ebmpapst R3G560-AH23-01 is a high-performance EC centrifugal fan with an external rotor motor, measuring Ø560mm in size. This 3-phase fan operates at a nominal voltage of 400VAC, with a wide voltage range of 380-480VAC, and is suitable for both 50Hz and 60Hz frequencies. It consistently achieves a speed of 1520RPM, consumes 3000W of power, and draws 4.6A of current. The fan features robust ball bearings and has an impeller made of aluminium sheet with 9 blades, and a coated in black rotor surface. The electronics housing is constructed from die-cast aluminium.

The R3G560-AH23-01 boasts an IP54 type of protection, insulation class "F", and Humidity class F4-1. It includes integrated technical features such as an integrated PID controller, passive PFC, soft start, motor current limit, and various outputs/inputs (e.g., 0-10VDC, 4-20mA for sensor input) and an alarm relay. Comprehensive motor protection includes reverse polarity, locked-rotor protection, over temperature protected electronics/motor, and line undervoltage/phase failure detection. Electrical connection is via a terminal box. The fan operates in S1 mode within an ambient temperature range of -25°C to 60°C, with transport/storage temperatures between -40°C and +80°C. Its mounting position can be shaft horizontal or rotor on bottom (rotor on top on request), and it features rotor-side condensate drainage holes. Conforming to CE standards, it holds extensive approvals including CE, Z22.2 Nr.77 + CAN/CSA-E60730-1, EAC, and UL 1004-7 + 60730. This fan is suitable for industrial refrigeration and freezing equipment, ventilation systems, air conditioning units, and heat pumps.

R3G560-AH23-01 Fan Parameters

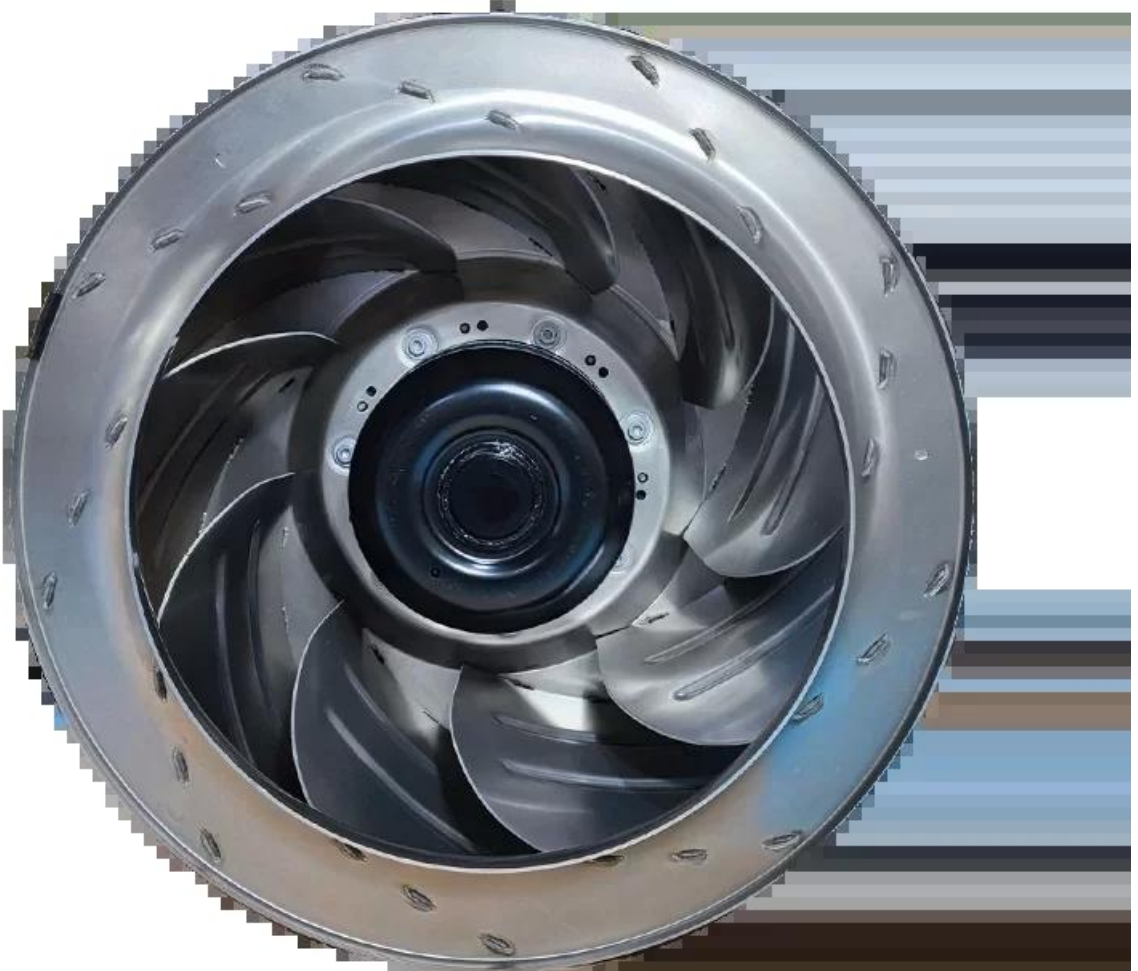
Model: R3G560-AH23-01

Manufacturer: ebmpapst

Type: EC centrifugal fan

Motor: M3G150-IF
Dimensions (Size): Ø 560 mm
Phase: 3~
Nominal Voltage: 400 V AC
Nominal voltage range: 380 .. 480 V AC
Frequency: 50/60 Hz
Speed: 1520 RPM
Power input: 3000 W
Current draw: 4.6 A
Min. ambient temperature: -25 °C
Max. ambient temperature: 60 °C
Surface of rotor: Coated in black
Material of electronics housing: Die-cast aluminium
Material of impeller: Aluminium sheet
Number of blades: 9
Direction of rotation: Clockwise, seen on rotor
Type of protection: IP 54
Insulation class: "F"
Humidity class: F4-1
Max. permissible ambient motor temp. (transp./storage): +80 °C
Min. permissible ambient motor temp. (transp./storage): -40 °C
Mounting position: Shaft horizontal or rotor on bottom; rotor on top on request
Condensate discharge holes: Rotor-side
Operation mode: S1
Motor bearing: Ball bearing
Technical features (Control/Monitoring): Output 10 VDC, max. 10 mA; Output 20 VDC, max. 50 mA; Output for slave 0-10V; Operation and alarm display; Input for sensor 0-10 V or 4-20 mA; External 24 V input (programming); External release input; Alarm relay; Integrated PID controller; Motor current limit; PFC passive; RS485 MODBUS RTU; Soft start; Control input 0-10 VDC / PWM; Control interface with SELV potential safely disconnected from the mains; Over temperature protected electronics / motor; Line undervoltage / phase failure detection
EMC interference immunity: Acc. to EN 61000-6-2 (industrial environment)
EMC interference emission: Acc. to EN 61000-6-3 (household terminal box)
Touch current acc. IEC 60990 (measuring network Fig. 4, TN system): ≤ 3.5 mA
Electrical leads: Via terminal box
Motor protection: Reverse polarity and locked-rotor protection
Protection class: I (if protective earth is connected by customer)
Product conforming to standard: CE
Approval: CE, Z22.2 Nr.77 + CAN/CSA-E60730-1, EAC, UL 1004-7 + 60730
Weight: 29 kg
Application: Industrial refrigeration and freezing equipment, ventilation systems, air conditioning units, and heat pumps.

Product Images







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