R1G175-AB41-64 ebmpapst 48V DC Centrifugal Fan

SKU: R1G175-AB41-64

Price: $80.96

Categories: Fans

Tags: ebmpapst

Product Link:
https://www.elecspares.com/product/r1g175-ab41-64-ebmpapst-48v-dc-centrifugal-fan/

Product Description

The ebmpapst R1G175-AB41-64 is a compact, high-efficiency EC Centrifugal Fan with backward-curved blades, measuring approximately 175 mm in diameter. It operates on 48 V DC and is powered by a GreenTech EC motor, offering a nominal speed of 3100 RPM with a power input of 34 W and a current draw of 0.8 A. This fan delivers a high unimpeded airflow of approximately 560.7 m³/h (330 CFM) and features integrated electronics with PWM control and a speed sensor (Tach output). With a wide operating temperature range from −25 °C to 60 °C and a ball bearing system, this unit is engineered for reliable, continuous operation in telecommunication cabinets, air purification units, and industrial cooling applications where space and energy efficiency are critical.

R1G175-AB41-64 Fan Parameters
Model: R1G175-AB41-64
Manufacturer: ebmpapst
Type: Centrifugal Fan, Backward-Curved
Motor: M1G055-BD
Nominal Voltage: 48 V DC
Nominal Voltage Range: 36 V…57 V DC
Speed: 3100 RPM
Power Consumption: 34 W
Current Draw: 0.8 A
Airflow (Unimpeded): 560.7 m³/h
Noise Level: 65 dB(A)
Fan Size: 175 mm (Diameter)
Dimensions: 172 x 172 x 51 mm (Housing/Mounting)

Bearing Type: Ball Bearing
Impeller Material: Plastic (PA 6.6)
Features: PWM Control, Speed Sensor (Tach Output), Reverse Polarity Protection, Locked-Rotor Protection
Max. Ambient Temperature: 60 °C
Min. Ambient Temperature: −25 °C
Termination: 4 Wire Leads
Label Current: 0.85A
Approval: EAC, UL 507; CCC; CSA C22.2 No. 113; VDE

Application
The R1G175-AB41-64 fan is designed for static pressure applications within confined spaces that demand high-efficiency and precise speed control. It is ideally suited for telecom and data center cooling, air filtration and purification units, and compact industrial electronics enclosures that require robust cooling and airflow performance.

Product Images


R1G175-AB41-64
48 V⎓ (36-57 V⎓) DC 0.85A
34W/25W(输入/输出) 3100 r/min
213100062C
PN: 32030077
R1G175-AB41-64
SN: 2132030077
ALM8000062
红(RD) + 蓝(BU) -
黑(BK)控制输入(PWM)白(WH)转速输出(tach output)
Ins.Cl.B级 IP44
直流电动机
型号：*M1G055-BD
REG.-Nr. D131
制造商:ebm-papst Mulfingen GmbH & Co.KG
31/21
ebmpapst


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48 V⎓ (36-57 V⎓) DC 0.85A
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CN(N) 31/21

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