

RH31M-4EK.2C.1R ZIEHL-ABEGG 115VAC AC Centrifugal Fan

SKU: RH31M-4EK.2C.1R

Price: \$1,179.93

Categories: Fans

Tags: Ziehl-Abegg

Product Link:

<https://www.electspares.com/product/rh31m-4ek-2c-1r-ziehl-abegg-115vac-ac-centrifugal-fan/>

Product Description

The ZIEHL-ABEGG RH31M-4EK.2C.1R is a professional-grade 115 V Single-phase Industrial AC Centrifugal Fan with a 310 mm impeller, specifically engineered for precision thermal management in power conversion equipment and high-static pressure industrial environments. Driven by a high-torque external rotor motor (MK085) with THCL 155 (Class F) insulation and moisture protection, this unit features a precise Max. Power Consumption of 0.24 kW and a Max. Current Draw of 2.40 A at 115 V (60 Hz). Operating at a rated speed of 1570 RPM, it features an aluminum backward-curved impeller meticulously balanced to G 6.3 standards. This 4.80 kg German-engineered unit is finished in RAL 7032 (pebble grey) and includes a 105 cm high-quality Li2G2G-J cable, ensuring maximum reliability and mechanical stability for mission-critical industrial applications at the end.

RH31M-4EK.2C.1R Fan Parameters

Model Number: RH31M-4EK.2C.1R

Manufacturer: ZIEHL-ABEGG (Made in Germany)

Type: Single-phase AC Centrifugal Fan (Backward-curved)

Designation: Single inlet impeller with backward curved blades

Impeller Size: 310.0 mm

Weight: 4.80 kg

Bearing Quality: Ball bearing with long-time lubrication

Nominal Voltage: 115VAC

Voltage Range: 103 - 127 VAC

Phase: 1~

Frequency: 60 Hz

Required Capacitor: 20.0 μ F / 220 VDB

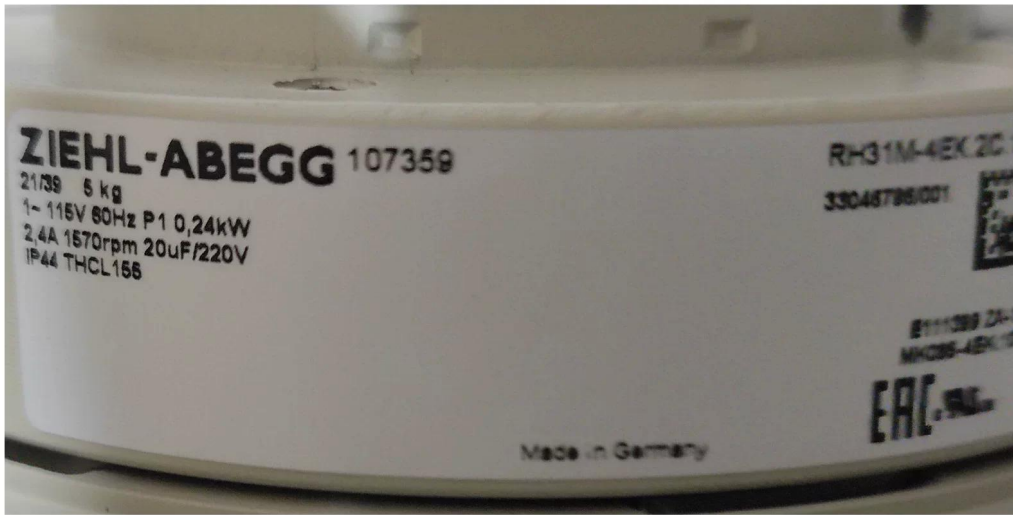
Max. Power Consumption (P1): 0.24 kW
Max. Current Draw: 2.40 A
Rated Speed: 1570 RPM
Max. Air Flow: 1324.3 CFM (2250.0 m³/h / 37.50 m³/min)
Max. Static Pressure: 35.7 mmH₂O (350.0 Pa / 1.41 inH₂O)
Working Air Flow: 2250.0 m³/h
Static Pressure Increase: 350.0 Pa
ErP Data: Not ErP rated (special voltage/specification)
Electrical Connection: Supply cable side, 105 cm
Cable Quality: Li2G2G-J, 4x 0.82 mm² (AWG18)
Connection Diagram: 1360-117XA
Motor Protection: Thermal contact (Integrated)
Type of Protection: IP44
Thermal Class: Thermal class 155 (Class F)
Impregnation: Moisture and hot climate protection
Material Impeller: Aluminium
Balance Quality: G 6.3
Painting Motor: 1 coat paint resistance class 1 (RAL 7032 pebble grey)
Installation Position: Fitting position H / Vu / Vo
Fitting Position Mot: Mounting position H / Vu / Vo
Min. Operating Temperature: -25 °C
Labelling UL/CSA: E111399 ZA-155, MK085-4EK.10.U

Application

The ZIEHL-ABEGG RH31M-4EK.2C.1R 115V fan is the primary cooling component for industrial frequency converters, medical imaging systems, and power distribution cabinets requiring high-precision radial airflow and compatibility with North American electrical standards.

Product Images





Scan for product details:

