

# RH35M-4EK.4F.1R Ziehl-Abegg 230V 365mm AC Centrifugal Fan

**SKU:** RH35M-4EK.4F.1R

**Price:** \$1,199.94

**Categories:** Fans

**Tags:** Ziehl-Abegg

**Product Link:**

<https://www.electspares.com/product/rh35m-4ek-4f-1r-ziehl-abegg-230v-365mm-ac-centrifugal-fan/>

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## Product Description

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The Ziehl-Abegg RH35M-4EK.4F.1R is a high-efficiency single-phase AC backward-curved centrifugal fan featuring an upgraded 365 mm bionic Cpro composite impeller. Driven by a 4-pole external rotor motor, this unit is optimized for medium-duty air displacement in environments requiring single-phase (230V) power. Delivering a stable 1360 RPM at 50Hz with a nominal power input of 0.30 kW, it combines a lightweight 8 kg design with a robust IP54 protection rating. Engineered for stability in temperatures up to 70 °C, the RH35M-4EK.4F.1R utilizes specialized blue composite blades to minimize noise and turbulence, making it a reliable solution for precision cooling and commercial ventilation systems.

RH35M-4EK.4F.1R Fan Parameters

Manufacturer: Ziehl-Abegg

Model Number: RH35M-4EK.4F.1R

Type: AC backward-curved centrifugal fan

Phase: 1~

Nominal Voltage: 230 V

Nominal Voltage Range: 220 - 240 VAC

Frequency: 50/60 Hz

Impeller Size: 365 mm

Weight: 8 kg

[Electrical Data]

Input Power (50 Hz): 0.30 kW (300 W)

Input Power (60 Hz): 0.41 kW (410 W)

Nominal Speed (50 Hz): 1360 RPM

Nominal Speed (60 Hz): 1520 RPM

Current Draw (50 Hz): 1.55 A

Current Draw (60 Hz): 1.8 A

Capacitor: 8.0  $\mu$ F / 400 VDB (Required for operation)

Motor Protection: Thermal contact (TB)

Insulation Class: F

Termination: Terminal box

#### [Performance & Acoustics]

Max. Air Flow (50 Hz): 1,942.3 CFM (3,300.0 m<sup>3</sup>/h / 55.0 m<sup>3</sup>/min)

Max. Static Pressure (50 Hz): 28.55 mmH<sub>2</sub>O (280.0 Pa / 1.12 inH<sub>2</sub>O)

Sound Power Level: 66 dB(A)

Number of Blades: 7

Direction of Rotation: Clockwise (viewed toward rotor)

Airflow Direction: Radial

#### [Materials & Construction]

Housing Material: None (Motorized impeller)

Impeller Material: High-performance composite material (Cpro Blue)

Motor Bearing: High-temperature ball bearings

Installation Position: Any

Degree of Protection: IP54

#### [Reliability & Safety Standards]

Min. Ambient Temperature: -20 °C

Max. Ambient Temperature: 70 °C

Standard Compliance: EN 60034-1, CE

Approval Agency: UL, VDE, EAC, RoHS

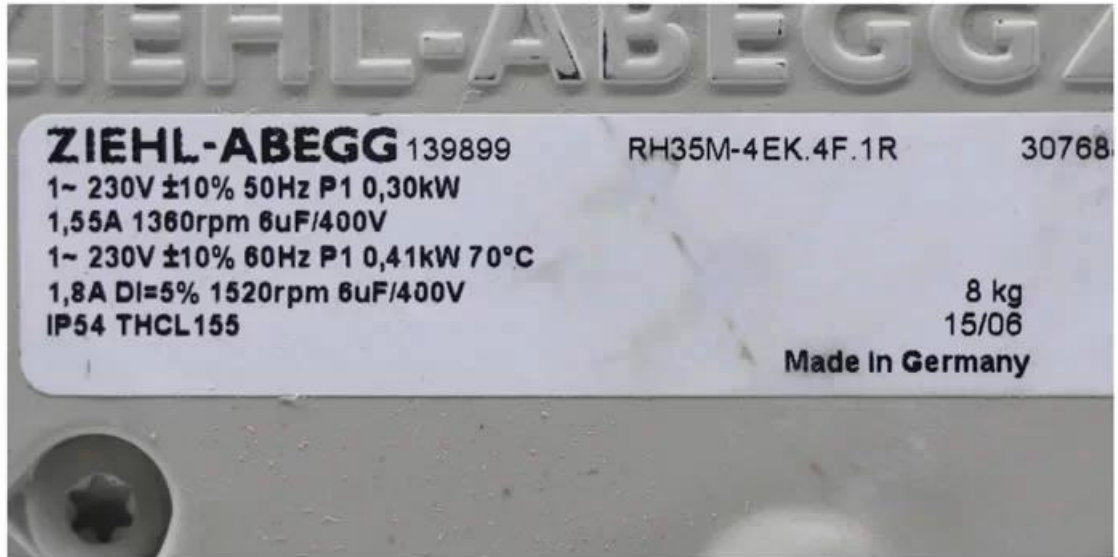
#### Application

The Ziehl-Abegg RH35M-4EK.4F.1R centrifugal fan is used in compact air handling units, laboratory exhaust systems, commercial kitchen ventilation, electronic cabinet cooling, and heat recovery ventilation (HRV) systems.

## Product Images

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Scan for product details:

