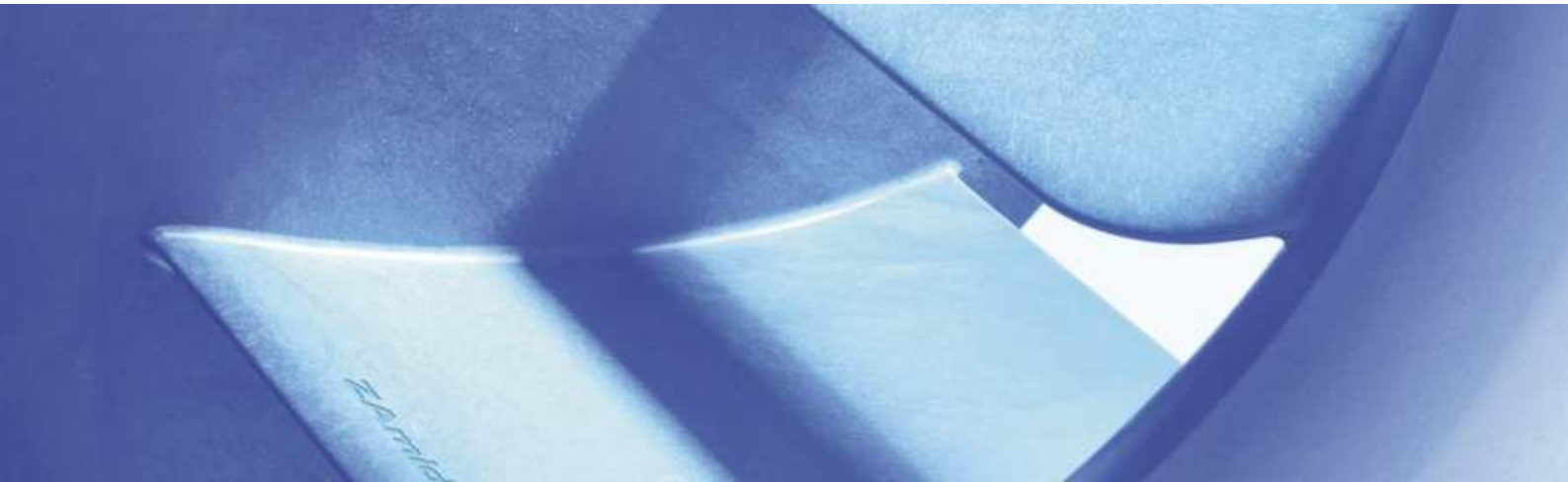


Movement by Perfection



The Royal League in **ventilation**, control and drive technology



[Product documentation](#)

Type  
RH31V-4EP.WD.1R

Article number  
161650/UL03

## Product documentation

Customer

ZIEHL-ABEGG Contact

Project

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Type  
RH31V-4EP.WD.1R

Article number  
161650/UL03



## Contents

1.	Rubriküberschrift1 (CB_AF_Headline1)	Erro! Indicador não definido.
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### 1. Product specification

#### Technical data

Article number	161650/UL03
Type	RH31V-4EP.WD.1R
Designation	Single inlet impeller with backward curved blades.
Rated values	1~230V 50Hz P <sub>1</sub> 140W 0.64A ΔI=0% 1320/min 5,0uF/400V 60°C P <sub>1</sub> 200W 0,88A ΔI=0% 1360/min 5,0uF/400V 50°C
Electrical connection	Supply cable variable (axial + radial) 4x 0,50mm <sup>2</sup> x 105cm
Min. operating temperature [°C]	- 5
Cable quality	SIHF-K
Painting stator	Stator unpainted
coating rotor	Rotor with 1 coatpaint
Colour sheet rotor	1K RAL 5002 (ultramarine blue)
Material impeller	Impeller made of High Performance Composite Material
Painting impeller	unpainted
Colour impeller	black
Connection diagram	1360-177X
Installation position	H/Vu/Vo
Motor protection	thermal contact self holding
Type of protection	zzz_xx
Thermal class	Thermal class 155
Balancing	6,3
Quality of bearings	ball bearing with long-time lubrication
Labelling UL/CSA	RH31V-4EP.WD.1Ra_230
Certification	Motor-Recognized Component
Weight kg	3,60
ErP Data	Efficiency $\eta_{statA}$ : 39,8 % Efficiency: $N_{actual} = 59,1 / N_{target} = 58^*$ *ErP 2013Does not comply with the stipulations of the ErP regulations

### 2. Characteristic curve

**Beschreibung / Description**

RH31V-4EP.WD.1R  
 1~ 230V 50Hz P1 0,15kW  
 0,65A Di=0% 1310MIN SuF400V 50°C  
 230V 60Hz P1 0,20kW  
 0,90A Di=0% 1320MIN SuF400V 50°C  
 THCL 155

**Messaufbau / Assembling:**

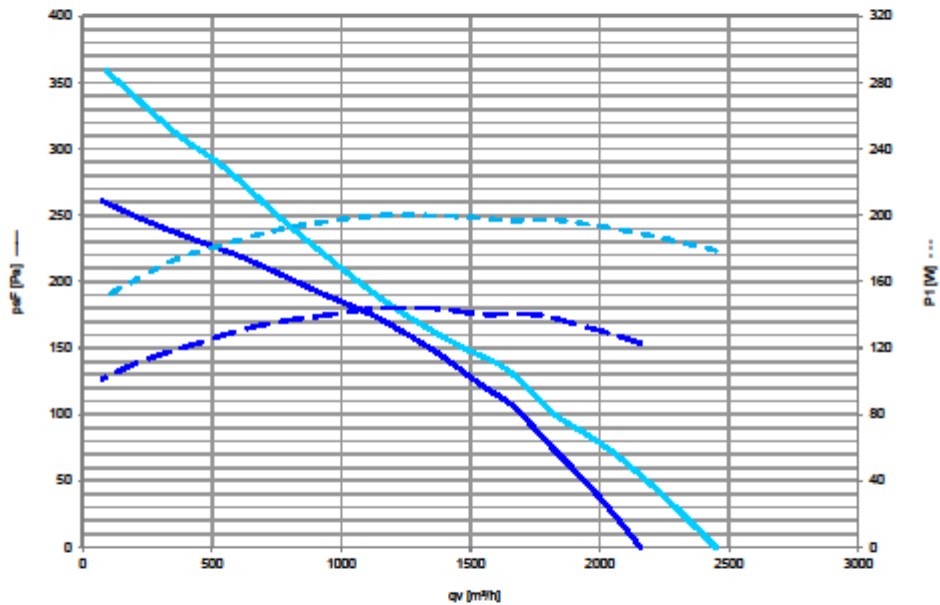
Ventilator montiert mit Einlaufdüse ohne Berührschutzgitter.  
 Fan measured in inlet bell mouth without guard grille.

**Legende / Legend**

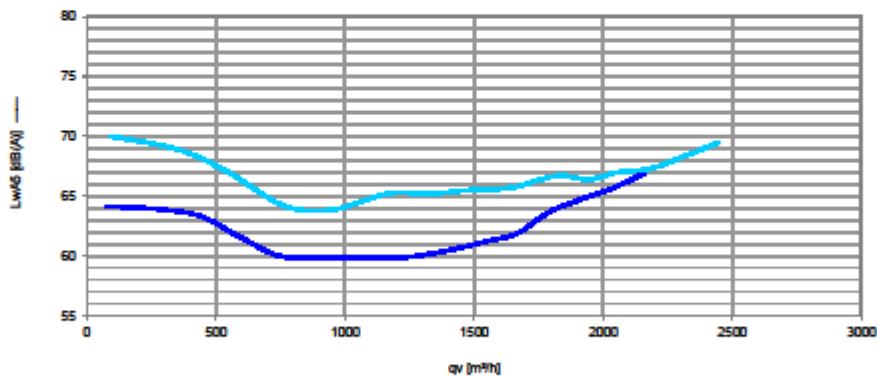
- A) 1~ 230V 50Hz L SuF [ID 82024]
- B) 1~ 230V 60Hz L SuF [ID 82025]

Gemessen mit üblichen Toleranzen / Measured with normal tolerances

**1. Diagramm / Chart: Volumendstrom - Druckerhöhung - elektr. Leistungsaufnahme / Airflow - Pressure - Electr. Power Input**



**2. Diagramm / Chart: Volumendstrom - Akustik / Airflow - Acoustics**



### 3. Drawing

ohne Lüfterrad und Düse dargestellt

ohne Lüfterrad und Düse dargestellt

elektrischer Anschluss vereinfacht dargestellt

ohne Düse mit Düse

TYP	MOTOR	DA	DD	DE	DN	D1	D5	F1	H	H1	H2	H5	T	U	Z	MIR_MASSE	GES_MASSE
RH28V-1R	MK068-42	265.0	292.0	188.1	287.0	234.6	7.0	250.0	196.2	143.0	127.5	156.2	1.0	3.0	6x60°	3.3	3.7
RH31V-1R	MK068-42	300.0	330.0	210.0	322.0	260.6	7.0	285.0	222.9	154.0	143.9	171.9	1.0	3.0	6x60°	3.6	4.1

Motor-Lüfterrad RH..V / MK068

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Index Änderung Datum Name Zeichnungsnummer  
1 L-9500020 20.08.2008 hul  
erstellt 15.05.2008 hul  
geprüft 20.08.2008 gbb  
checked

L-AL-3241

Dimensions in mm

Shown drawing is just to show the dimensions of the fan.

www.ziehl-abegg.com  
ErstellsQQQXXXYYdate

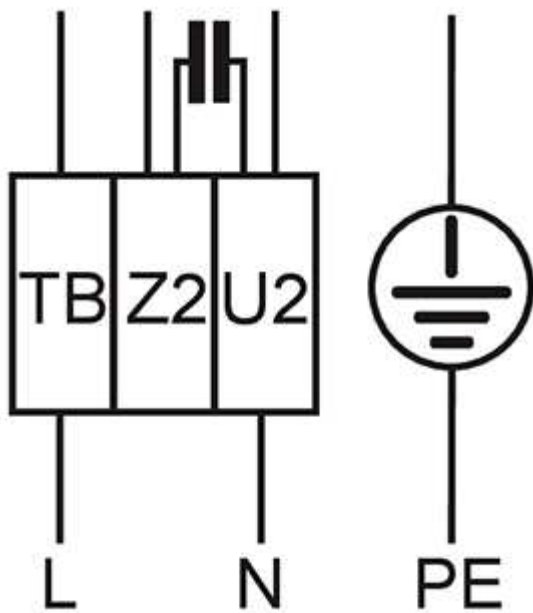
Movement by Perfection | Bewegung durch Perfektion

### 4. Connection diagram

1360-177X

1~ Motor with capacitor and thermostatic switch.

U2     blue or grey  
Z2     black  
TB     brown



## 5. EU-Declaration of conformity



The Royal League in ventilation, control and drive technology

## Intelligent control technology for any application

### ZIEHL-ABEGG system capabilities:

Everything from a single source – perfectly matched for optimal performance

Please contact us. We would be pleased to design an individual solution for your requirements.

We would like to welcome you on our worldwide exhibitions. Please find our next exhibitions [here](#).