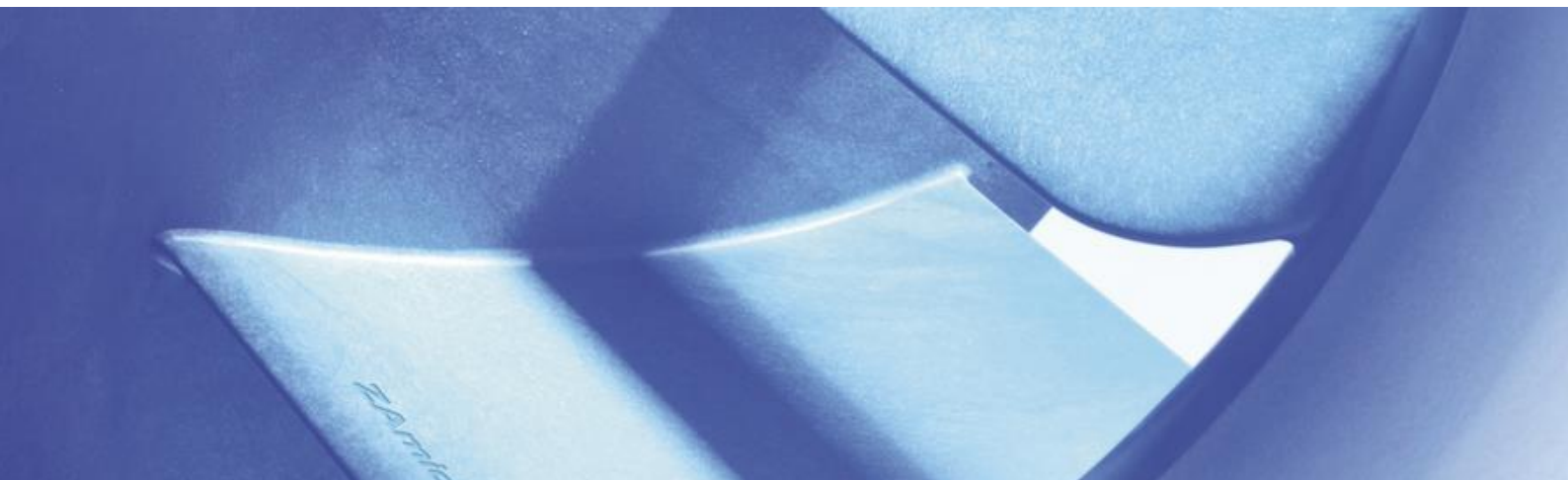


Movement by Perfection



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



[Product documentation](#)

Type
[RH31M-4EK.2C.1R](#)

Article number
[109316E](#)

Product documentation

Customer
TUEL

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Project
-

Type
RH31M-4EK.2C.1R

Article number
109316E



Contents

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1. Product specification - Technical data

Article number	109316E
Type	RH31M-4EK.2C.1R
Designation	Single inlet impeller with backward curved blades.
Rated values	1~230V $\pm 10\%$ 50Hz P ₁ 0.16kW 0.80A $\Delta I = 0\%$ 1330/min 4,0uF/400V 70°C 1~230V $\pm 10\%$ 60Hz P ₁ 0.20kW 0.91A $\Delta I = 0\%$ 1510/min 4,0uF/400V 70°C
Electrical connection	Supply cable side, 7x 0,75mm ² x 105cm
ErP Data	* Does not comply with the stipulations of the ErP regulations
Min. operating temperature	-25°C
Thermal class	Thermal class 155
Cable quality	Li4G4G-J
Material impeller	Impeller made of aluminium
Painting impeller	unpainted unpainted
Connection diagram	1360-104XA
Installation position	Fitting position H/Vu/Vo
Motor protection	thermal contact
Type of protection	IP44
Impregnation	Moisture and hot climate protection
Quality of bearings	ball bearing with long-time lubrication
Painting motor	1 coat paint
Colour motor	2T58036999 RAL 7032 (pebble grey)
Balance quality	G 6,3
Weight	4.15kg

2. Characteristic curve

Beschreibung / Description

RH31M-4EK.2C.1R
1~ 230V $\pm 10\%$ 50Hz P1 0,16kW
0,80A DI=0% 1330/MIN 4uF/400V 70°C
1~ 230V $\pm 10\%$ 60Hz P1 0,20kW
0,91A DI=0% 1510/MIN 4uF/400V 70°C
IP44 THCL 155

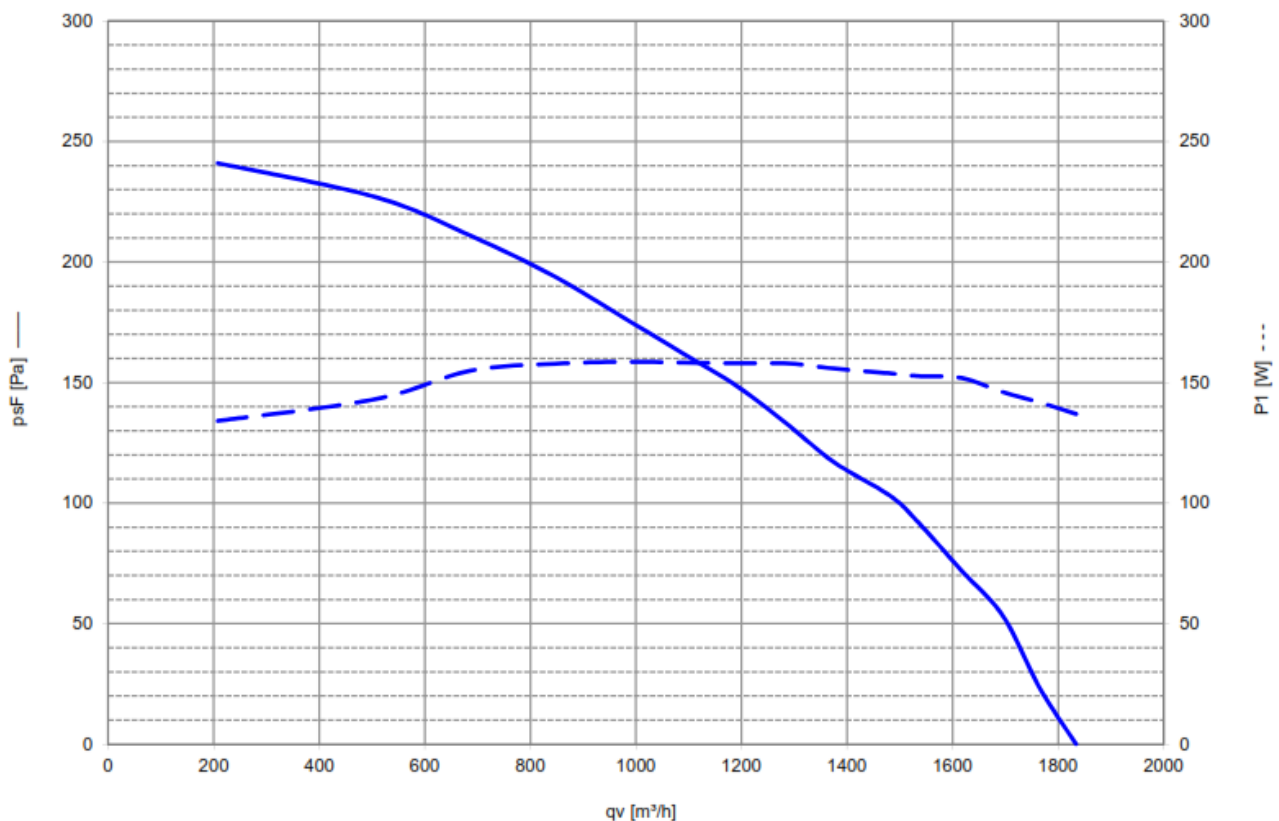
Messaufbau / Assembling:

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

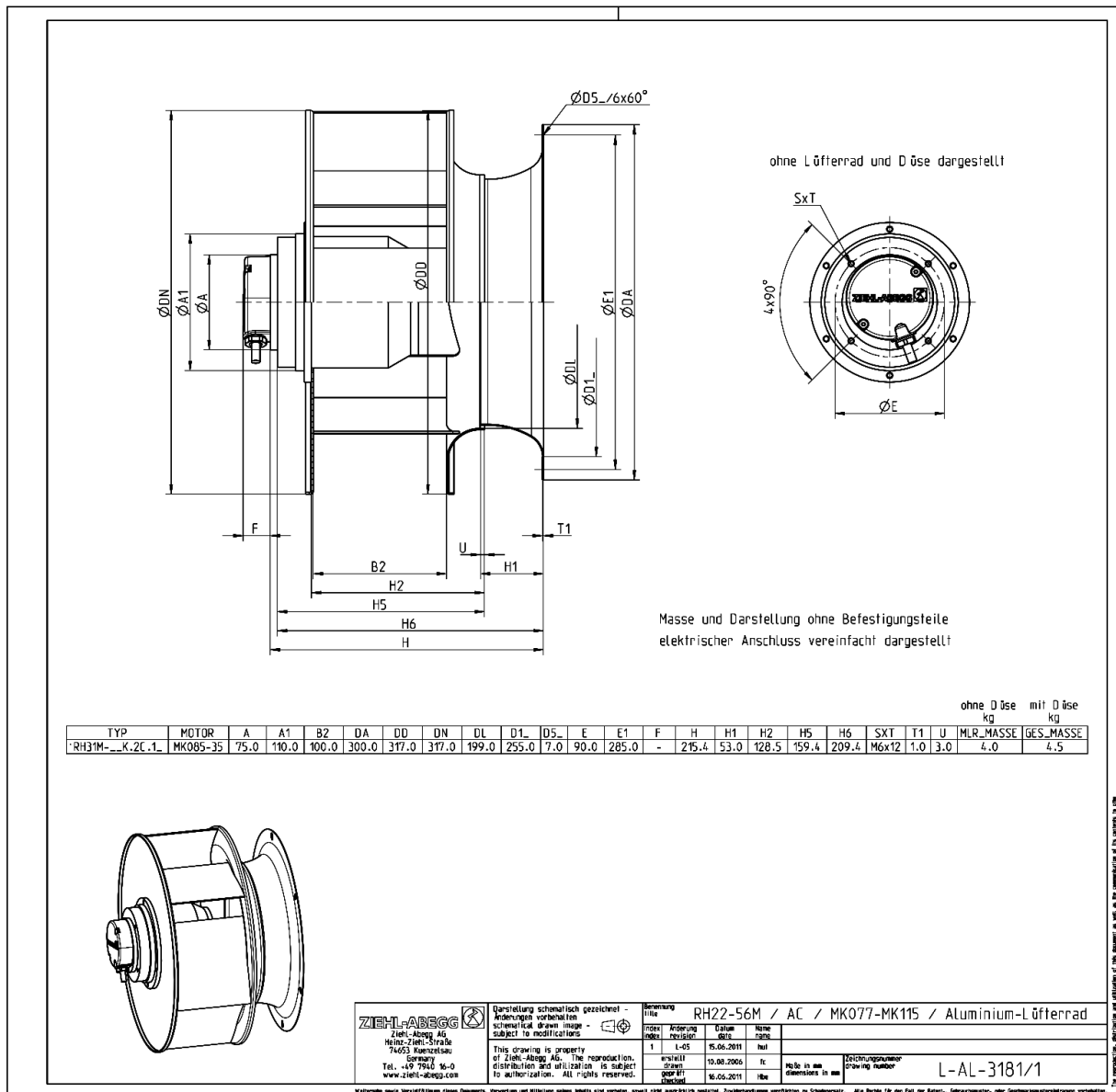
Legende / Legend

■ A) 1~ 230V 50Hz L, 4,0uF/400V [ID 64779]
Gemessen mit üblichen Toleranzen / Measured with normal tolerances

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



3. Drawing



Dimensions in mm

The illustrations shown make no claim to completeness and are for orientation purposes only.

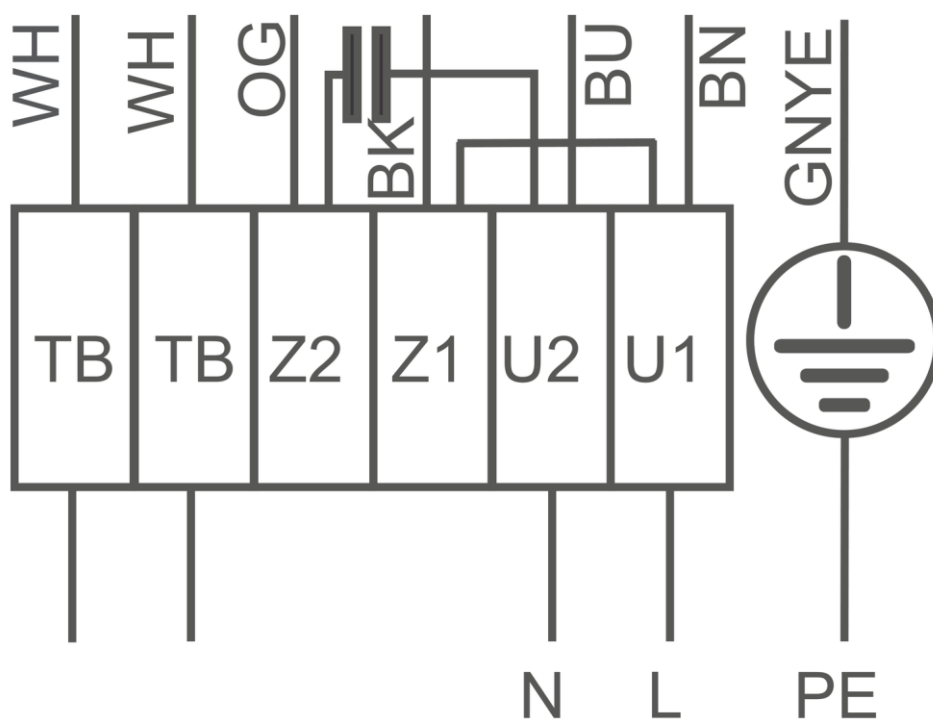
4. Connection diagram

1360-104XA

1~Motor with capacitor and thermostatic switch (if built in).

BN brown
BU blue
BK black
OG orange
WH white
GNYE green-yellow

Clockwise rotation



5. EU-Declaration of conformity

EC Declaration of Incorporation

as defined by the EC Machinery Directive 2006/42/EC, Annex II B

The design of the incomplete machine:

- Axial fan FA.., FB.., FC.., FE.., FF.., FG.., FS.., FT.., FH.., FL.., FN.., FV.., DN.., VR.., VN.., ZC.., ZF.., ZG.., ZN..
- Centrifugal fan RA.., RD.., RE.., RF.., RG.., RH.., RK.., RM.., RR.., RZ.., GR.., ER.., WR..
- Cross-flow fan QK.., QR.., QT.., QD.., QG..

Motor type:

- Induction internal or external rotor motor (also with integrated frequency inverter)
- Electronically commutated internal or external rotor motor (also with integrated EC controller)

complies with the requirements in Appendix I, Articles 1.1.2, 1.1.5, 1.4.1, 1.5.1 in EG Machinery Directive 2006/42/EG.

Manufacturer

ZIEHL-ABEGG SE
Heinz-Ziehl-Strasse
D-74653 Künzelsau

The following harmonised standards have been used:

EN 60204-1:2006+A1:2009	Safety of machinery; electrical equipment of machines; Part 1: General requirements
EN ISO 12100:2010	Safety of machinery - General principles for design - Risk assessment and risk reduction
EN ISO 13857:2008	Safety of machinery; safety distances to prevent danger zones being reached by the upper limbs
Note:	The maintenance of the EN ISO 13857:2008 relates only to the installed accidental contact protection, provided that it is part of the scope of delivery.

The specific technical documentation in accordance with Appendix VII B has been written and is available in its entirety.

The person authorised for compiling the specific technical documentation is: Dr. W. Angelis, address see above.
The specific documentation will be transmitted to the official authorities on justified request. The transmission can be electronic, on data carriers or on paper. All industrial property rights remain with the above-mentioned manufacturer.

It is prohibited to commission this incomplete machine until it has been secured that the machine into which it was incorporated complies with the stipulations of the EC Machinery Directive.

Künzelsau, 12.12.2017

Dr. W. Angelis - Technical Director Ventilation Division

Dr. W. Angelis

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