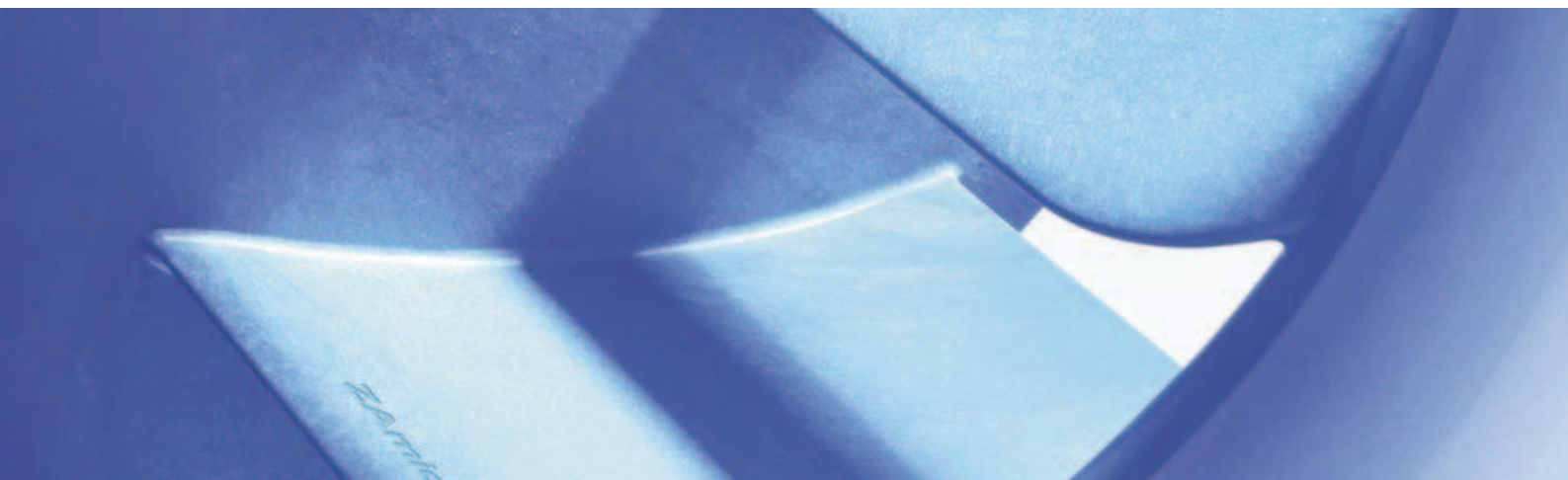


Movement by Perfection



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



Product documentation

Type
RH28C-2DD.3I.CR

Article number
163827

Beijing Hengrui Mechanical and Electrical Equipment Co.,Ltd
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1. Product specification

Technical data

Article number	163827
Type	RH28C-2DD.3I.CR
Designation	Single inlet impeller with backward curved blades.
Rated values	3~400 * 500V $\pm 10\%$ Δ 50 * 50Hz P ₁ 0,66kW 1.25A 2800/min COSY 0,77 70°C 3~400V $\pm 10\%$ Δ 60Hz P ₁ 1,00kW 1,65A 3170/min COSY 0,90 60°C 3~460V $\pm 10\%$ Δ 60Hz P ₁ 1,10kW 1,55A 3270/min COSY 0,86 60°C
Electrical connection	Supply cable side, 9x 0,82mm ² (AWG18)x 65cm
Min. operating temperature °C	-20***
Cable quality	Li7Y2G-J
Material impeller	Impeller made of ZAmid
Painting impeller	unpainted
Colour impeller	like RAL 5002 (ultramarine blue)
Connection diagram	1360-106XA
Installation position	H/Vu/Vo
Motor protection	thermal contact
Type of protection	IP54
Thermal class	Thermal class 155
Balancing	2,5
Quality of bearings	ball bearing with long-time lubrication
Labelling UL/CSA	MK092-2DK.14.U
Certification	Motor-Recognized Component
Weight kg	10,10
ErP Data	Efficiency η_{statA} : 50,6 % Efficiency grade: $N_{\text{actual}} = 63,1 / N_{\text{target}} = 62^*$ *ErP 2015

*** Occasional operation $\leq -20^\circ\text{C}$ and in consideration of lowest temperature according to product documentation permissible. For cooling applications with continuous operation $\leq -20^\circ\text{C}$ cold design on request.

2. Characteristic Curve

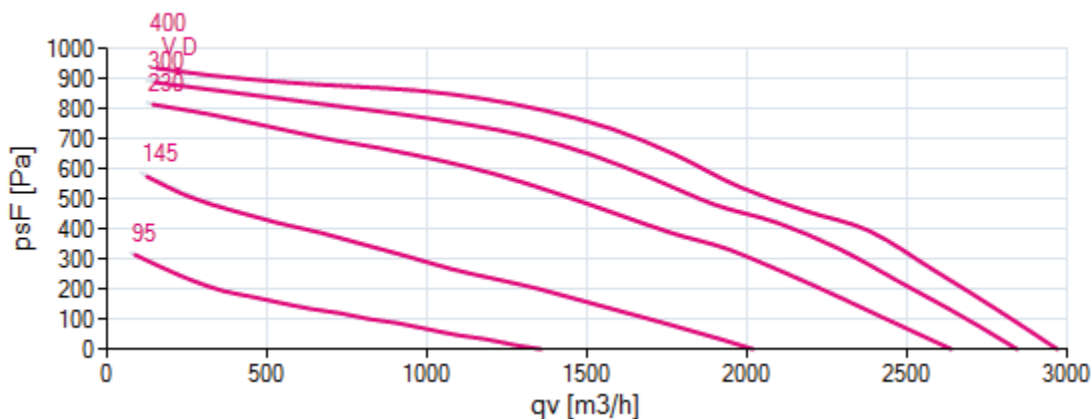
RH28C-2DD.3I.CR

measured in standard nozzle in installation type A according to ISO 5801

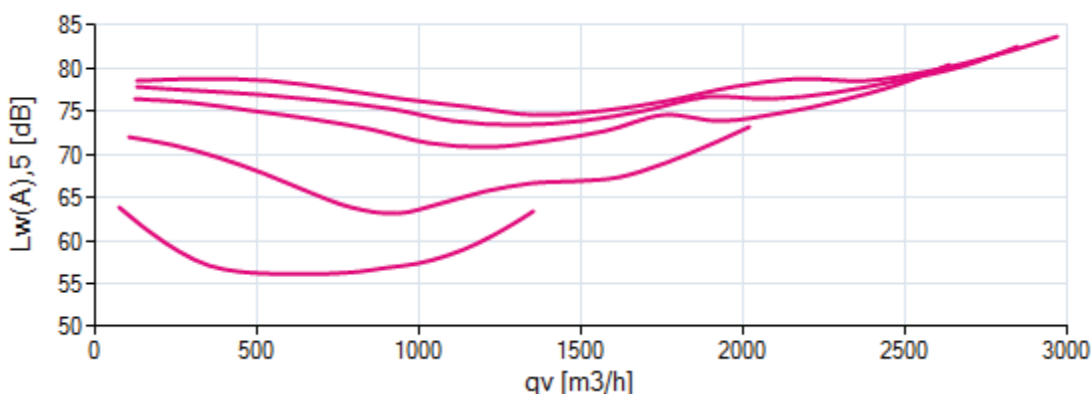
3~ 400V 50Hz D

Measurement air density 1,16 [kg/m³]

Air performance

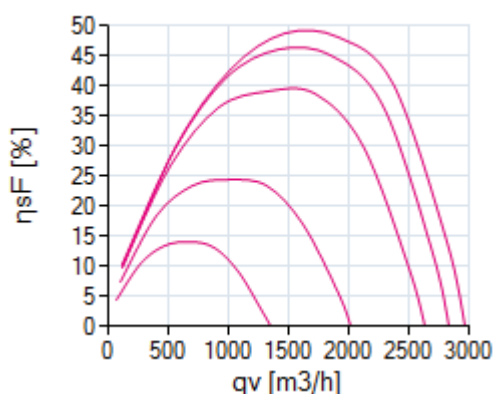
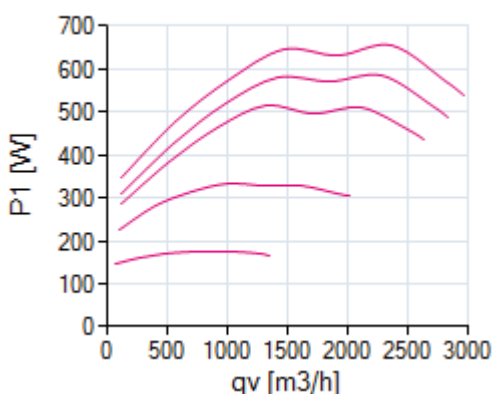


Acoustics



Power input

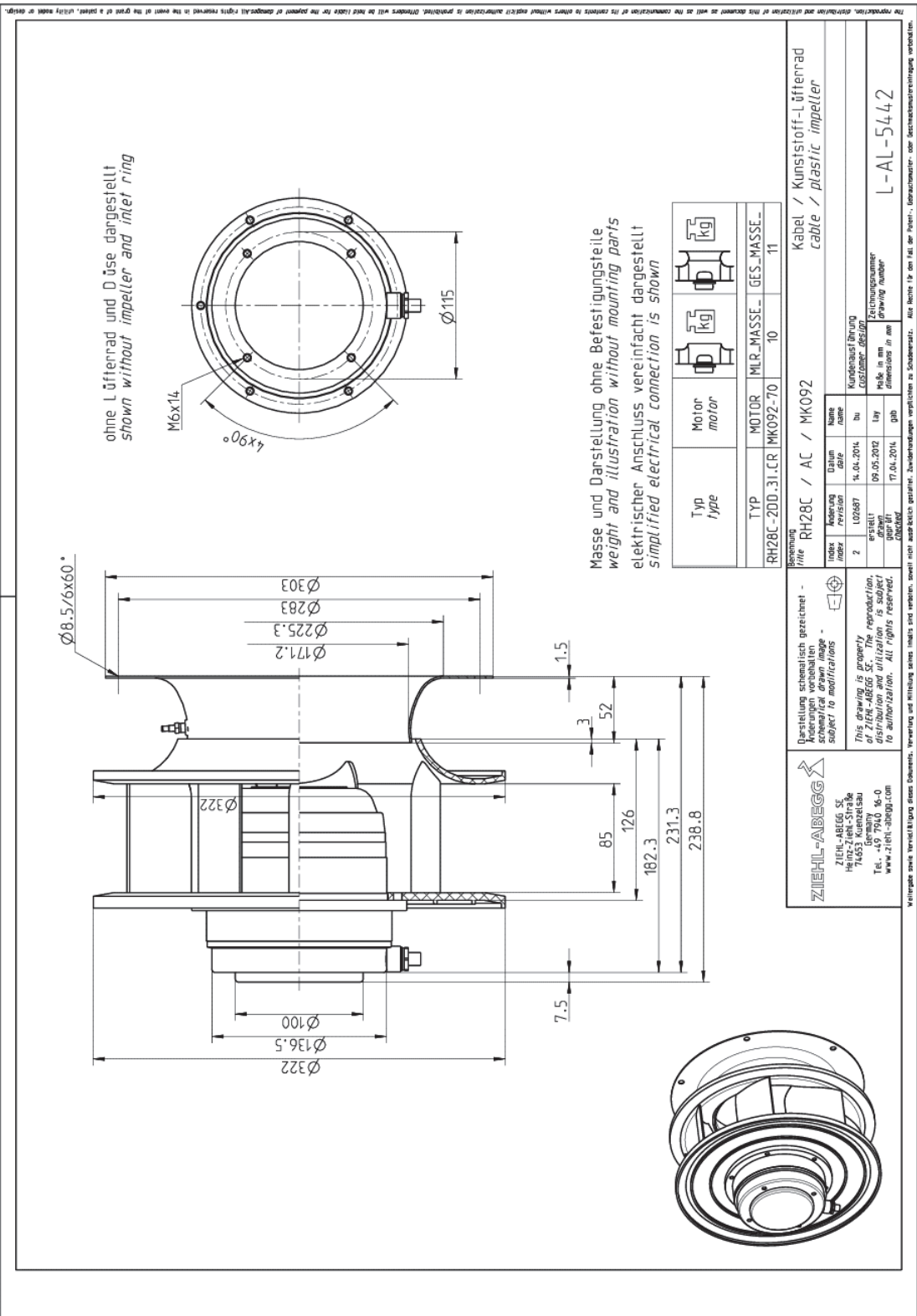
Efficiency



Please note: It's not allowed to use this fan in the stall area!*

*In doubt please ask your responsible ZIEHL-ABEGG sales contact.

3. Drawing



Dimensions in mm

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

en.bjhengrui.com
04-07-2019 18:08:11

Movement by Perfection | Bewegung durch Perfektion

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TPL_PG_Datenblatt-V6-10

Release Date: 08.02.2013

Technical changes reserved

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4. Connection diagram

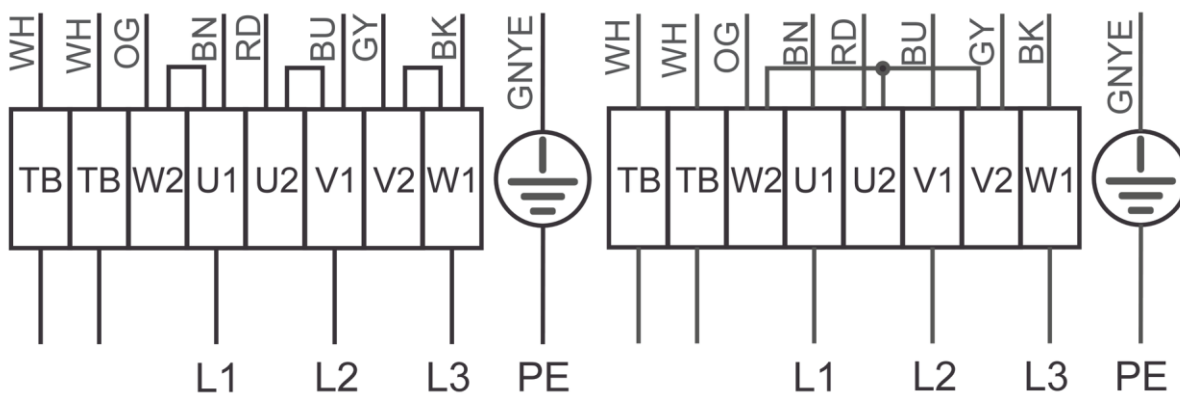
1360-106XA

3~ motor with one speed and thermostatic switch (if built in).

U1	brown
V1	blue
W1	black
U2	red
V2	grey
W2	orange
TB	white

Δ-connection

Y-connection



5. EU-Declaration of conformity

EU declaration of conformity

- Translation -
(english)

ZA75-GB 1910 Index 015

Manufacturer:
ZIEHL-ABEGG SE
Heinz-Ziehl-Straße
74653 Künzelsau
Germany

The manufacturer is solely responsible for issuance of the declaration of conformity.

The products:

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

The motor type:

- Asynchronous internal or external rotor motor
- Asynchronous internal or external rotor motor with integrated frequency inverter
- Electronically commutated internal or external rotor motor
- Electronically commutated internal or external rotor motor with integrated EC controller

These products comply with the following EU directives:

- EMC Directive 2014/30/EU
- Low Voltage Directive 2014/35/EU
- ErP Directive 2009/125/EC, in conjunction with Regulation (EU) no. 327/2011

The following harmonised standards have been used:

EN 60034-1:2010 + Cor.:2010	EN 61000-6-3:2007 + A1:2011 + AC:2012
EN 60204-1:2006 + A1:2009 + AC:2010	EN 61000-6-2:2005 + AC:2005
EN 60529:1991 + A1:2000 + A2:2013	

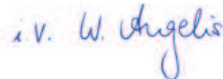
Compliance with the ErP Directive 2009/125/EC does not refer to external rotor motors MK..., MW...

All ErP-relevant information comprises measurements which are determined using a standardised measurement set-up. More details can be obtained from the manufacturer.

Compliance with the EMC Directive 2014/30/EU refers only to those products when they are connected by mounting / operating instructions. If these products are integrated into a system or supplemented with other components (e.g. sensing controls) and operated, the manufacturer or operator is responsible of the overall system for compliance with the EMC Directive 2014/30/EU.

Künzelsau, 05.03.2019
(location, date of issue)

ZIEHL-ABEGG SE
Dr. W. Angelis
Technical Director Air Movement Division
(name, function)



(Signature)

ZIEHL-ABEGG SE
Dr. D. Kappel
Deputy Head of Electrical Systems
(name, function)



(Signature)

ZIEHL-ABEGG 

The Royal League Die Königsklasse



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](#).