

1. Product specification

Technical data

Article number	176719
Type	RH22L-2EP.WC.4R
Designation	Single inlet impeller with backward curved blades.
Rated values	1~230V 50Hz P ₁ 120W 0.52A $\Delta I=0\%$ 2180/min 4,0uF/400V 50°C 1~230V % 60Hz P ₁ 150W 0,66A $\Delta I=0\%$ 2100/min 4,0uF/400V 60°C
Electrical connection	Supply cable variable (axial + radial) 4x 0,50mm ² x 45cm
Min. operating temperature °C	-40***
Cable quality	SIHF-K
Painting stator	Stator unpainted
coating rotor	Rotor with 1 coatpaint
Colour sheet rotor	RAL 5002 (ultramarine blue)
Material impeller	Impeller made of galvanised sheet metal
Painting impeller	unpainted
Connection diagram	1360-355X
Installation position	H/Vu/Vo
Motor protection	thermal contact
Type of protection	IP44 EN60034-5
Thermal class	Thermal class 155
Balancing	6,3
Quality of bearings	ball bearing with long-time lubrication
Labelling UL/CSA	zzz_xx
Weight kg	2,66
ErP Data	Not subject to the regulations of ErP directive (P ₁ < 125 W)

*** 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.

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2. Characteristic Curve

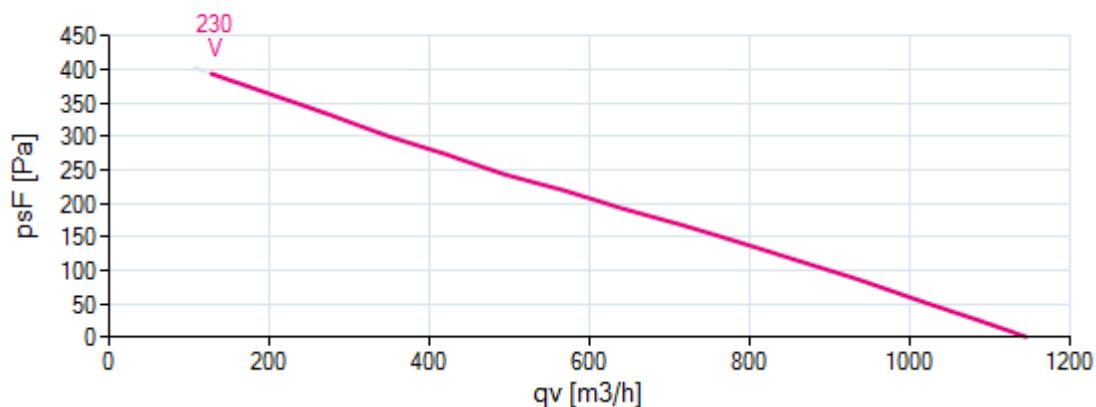
RH22L-2EP.WC.4R

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

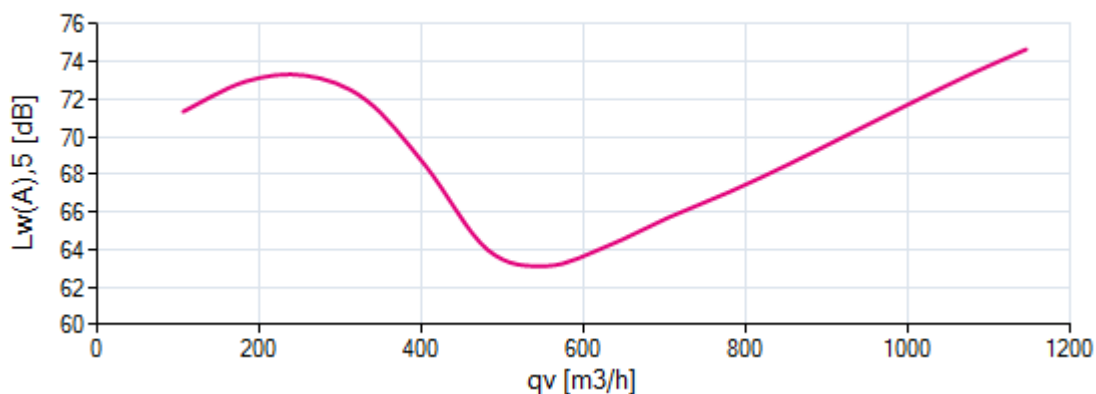
1~ 230V 50Hz

Messdichte 1,16

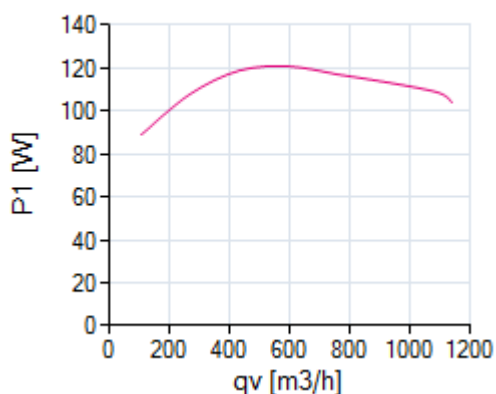
Air performance



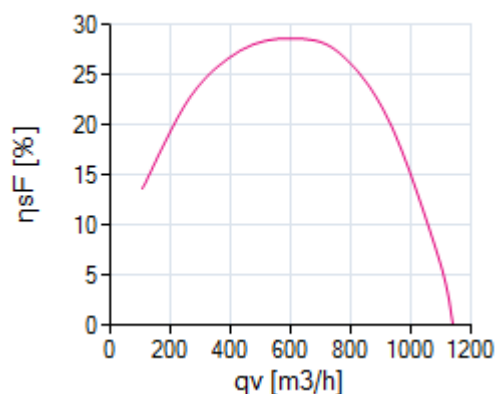
Acoustics



Power input



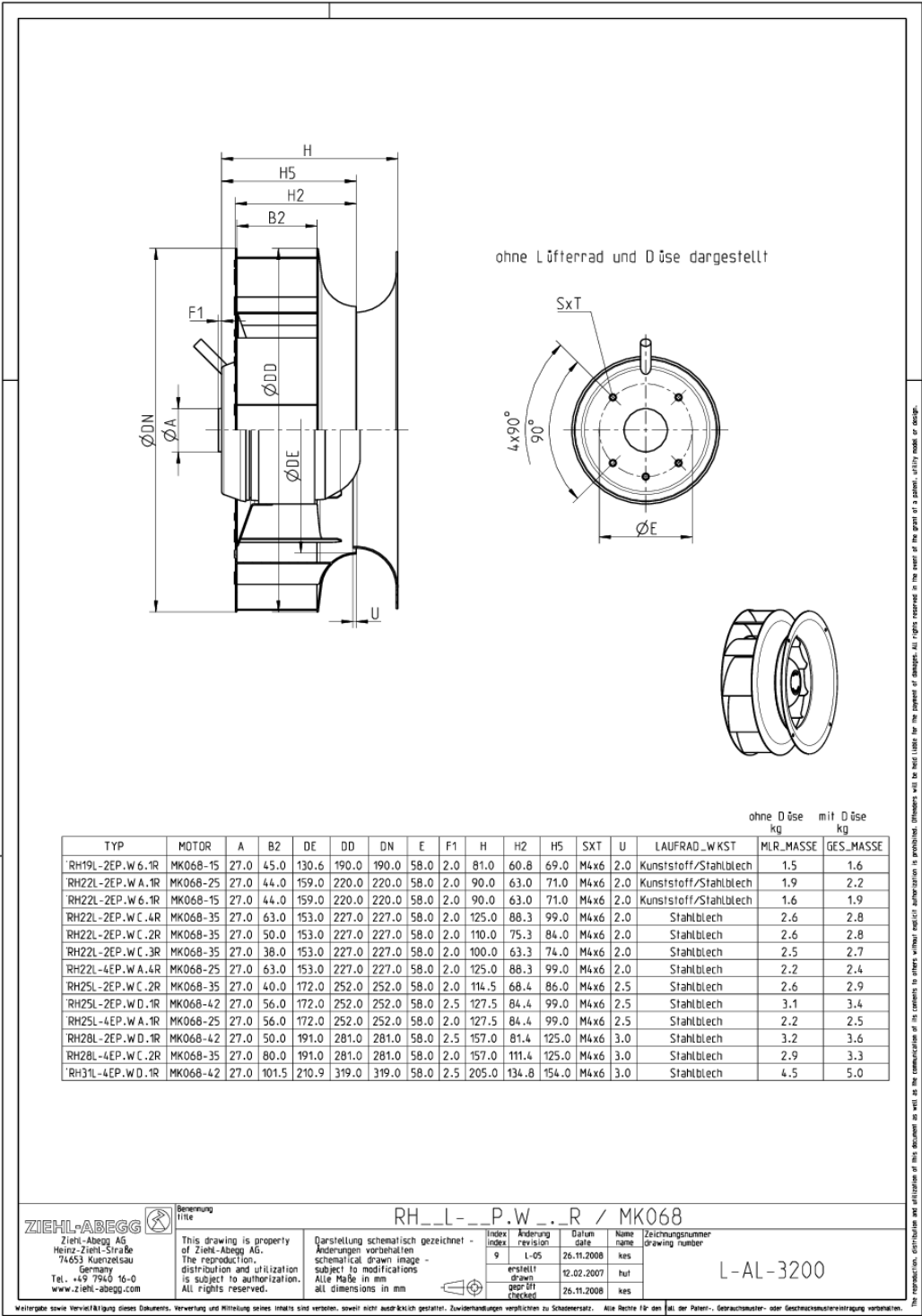
Efficiency



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.

www.ziehl-abegg.com
ErstellsQQQXXXXYYdate

Movement by Perfection | Bewegung durch Perfektion

4. 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](#).