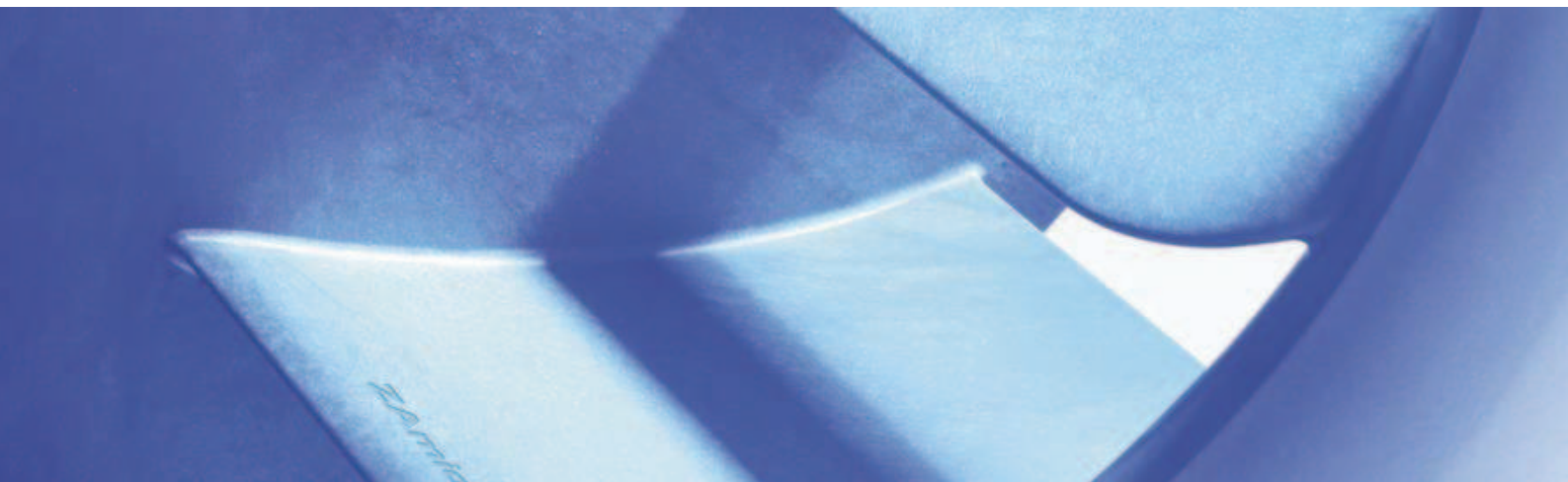


Movement by Perfection



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



Product documentation

Type
RH31M-2DK.3I.2R

Article number
137620

Beijing Hengrui Mechanical and Electrical Equipment Co,Ltd
+86 10-62547612
zhangyu@bjhengrui.cn
en.bjhengrui.com

1. Product specification - Technical data

Article number	137620
Type	RH31M-2DK.3I.2R
Designation	Single inlet impeller with backward curved blades.
Rated values	3~230/400V $\pm 10\%$ Δ/Y 50Hz P ₁ 0.76kW 2.30/ 1.35A 2790/min COSY 0,81 70°C 3~230/400V $\pm 10\%$ Δ/Y 60Hz P ₁ 1.15kW 3.10/ 1.80A 3160/min COSY 0,91 50°C 3~265/460V $\pm 10\%$ Δ/Y 60Hz P ₁ 1.25kW 3.10/ 1.80A 3260/min COSY 0,87 50°C
Electrical connection	Terminal box K02/N
ErP Data	* Does not comply with the stipulations of the ErP regulations
Min. operating temperature	-40°C***
Thermal class	Thermal class 155
Terminal box,mount.	fixed on Motor
Material impeller	Impeller made of aluminium
Painting impeller	unpainted
Connection diagram	1360-106XA
Installation position	Fitting position H/Vu/Vo
Fitting position mot	Mounting position H/Vu/Vo
Motor protection	thermal contact
Type of protection	IP54
Impregnation	Moisture and hot climate protection
Quality of bearings	ball bearing with long-time lubrication
Painting motor	Motor 1 coat paint resistance class 1 (L-TI-0596)
Colour motor	2T58036999 RAL 7032 (pebble grey)
Balance quality	G 2,5

*** Operation mode:

Continuous operation with occasional starts (S1) according to DIN EN 60034-1:2011-02.

Occasional starting between -40 °C and -25 °C is permissible. Continuous operation below -25 °C only with special bearings for refrigeration applications on request.

Permissible minimum and maximum ambient temperature for operation:

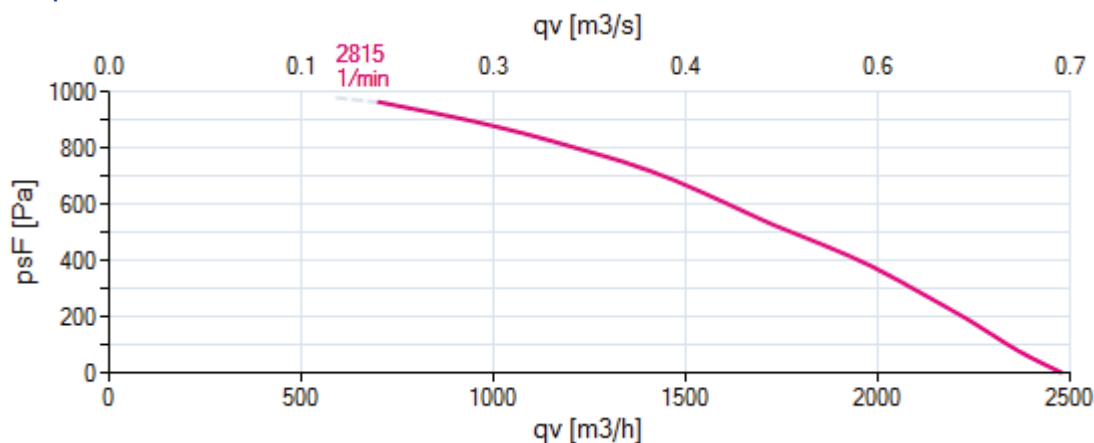
Please refer to the technical documentation of the product for the minimum and maximum ambient temperature valid for the respective fan. Operation below -25 °C as well as partial load operation for refrigeration applications is only possible with special bearings for refrigeration applications on request. If special bearings for refrigeration applications are installed in the fan, please observe the permissible maximum temperatures in the technical documentation of the product.

2. Characteristic Curve

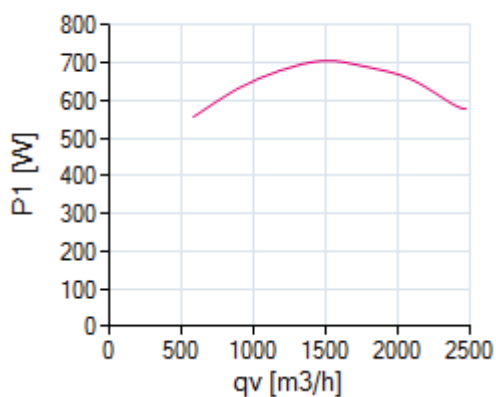
RH31M-2DK.3I.2R
3~ 230V 50Hz D

measured in standard nozzle in installation type A according to ISO 5801
measurement density 1,16 kg/m³

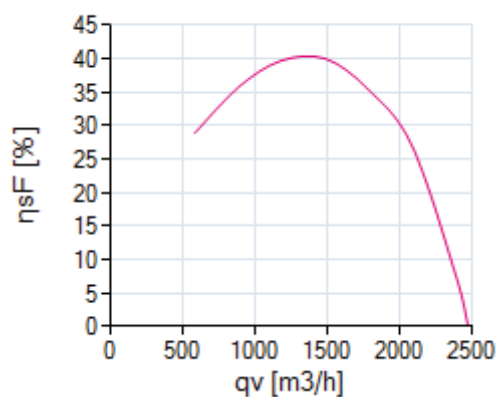
Air performance



Power input



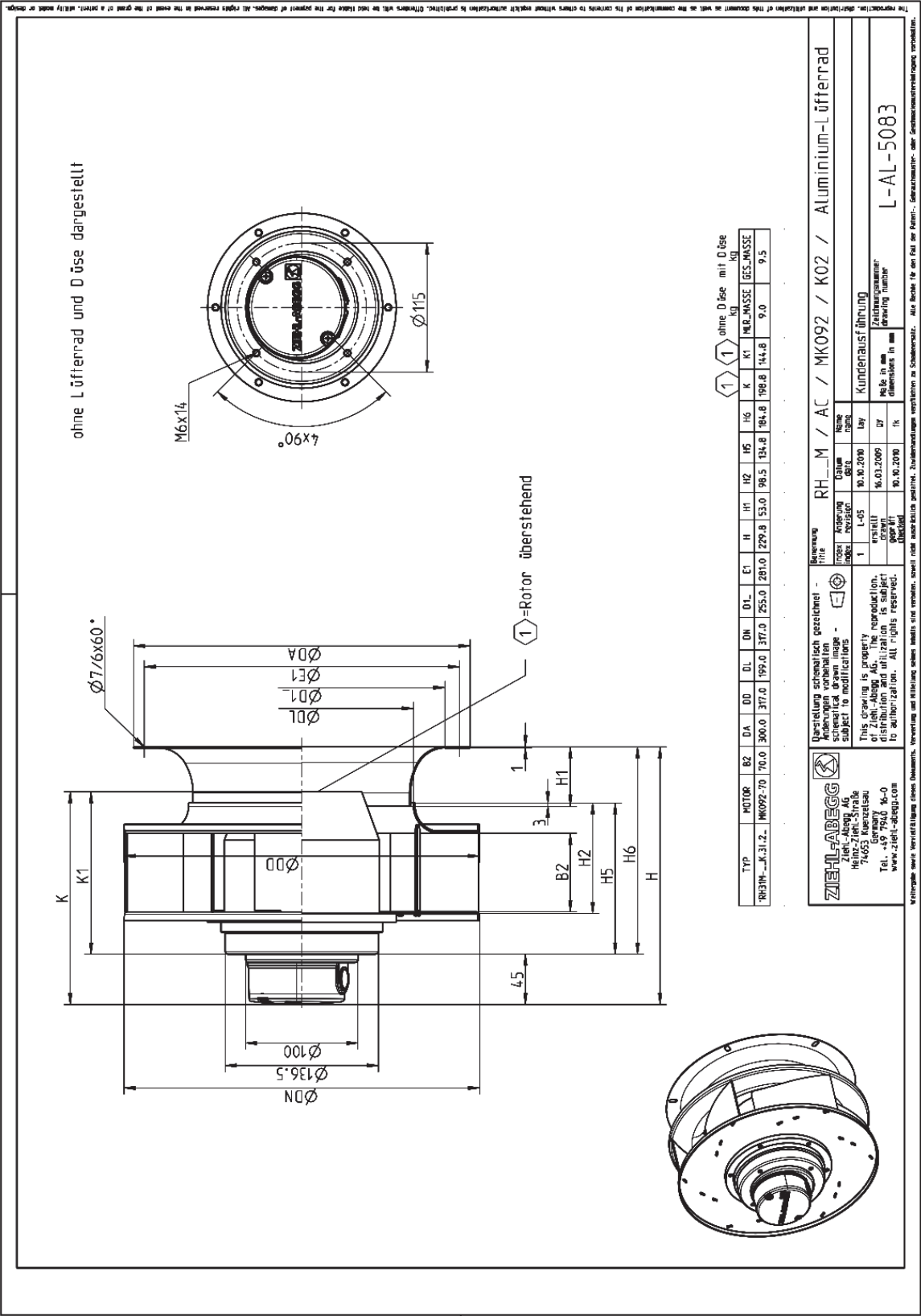
Efficiency



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

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

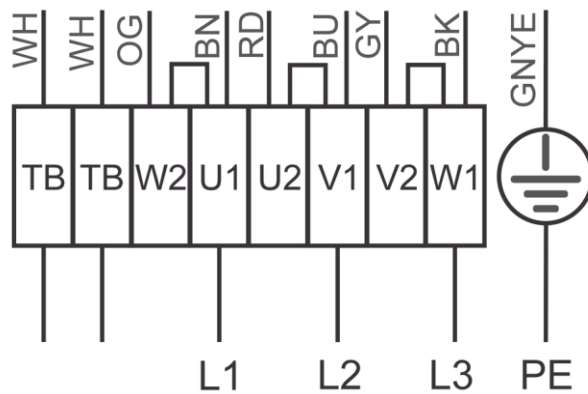
4. Connection diagram

wiring diagram: 1360-106XA

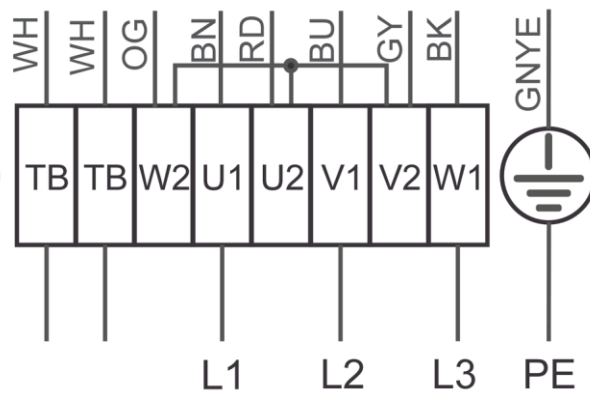
3~ motor with one speed and thermostatic switch (if built in).

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

Δ-connection



Y-connection





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](#).