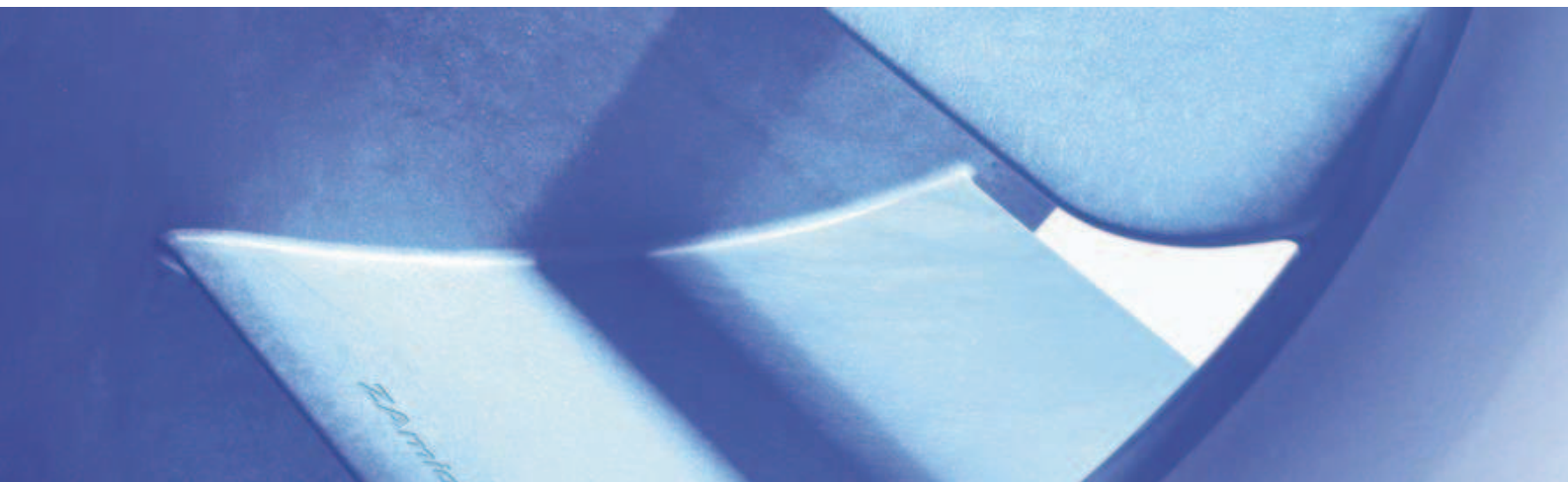


Movement by Perfection



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



Product documentation

Type
RH56M-VDT.7Q.1R

Article number
129911

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1. Recitals

The Product Specifications contained in this document are final, unless otherwise stated by a separate provision in the "ZIEHL-ABEGG deviation list document" with respect to information provided by the customer (cp. separate Chapter: Attachment).

Other regulations between the parties, regardless of time, form or content, are not part of the subject matter of the contract and the agreement on characteristics/of features (Product Specifications) between the parties.

Compliance with the following specifications is mandatory to ensure the functionality and safety of the product. If the following specifications given especially but not limited for operating conditions, transport, storage, mounting, start-up, maintenance and repair are not observed, the product may not operate safely and may cause a hazard to the life and limb of users and third parties.

Deviations from the following requirements may therefore lead both to the loss of the statutory material defect liability rights and to the liability of the buyer for the product that has become unsafe due to the deviation from the specifications.

2. Product specification - Technical data

Article number	129911
Type	RH56M-VDT.7Q.1R
Designation	Single inlet impeller with backward curved blades.
Rated values	3~400V $\pm 10\%$ Δ/Y 50Hz P ₁ 2.10/1.55kW 3.70/ 2.50A $\Delta I=20\%$ 1350/1140/min COSY 0,84 70°C 3~460V $\pm 10\%$ Δ/Y 60Hz P ₁ 3.40/2.70kW 4.90/ 3.50A $\Delta I=25\%$ 1570/1210/min COSY 0,86 70°C
Electrical connection	Supply cable side, 9x 0,75mm ² x 105cm
ErP Data	* Does not comply with the stipulations of the ErP regulations
Min. operating temperature	-40°C***
Thermal class	Thermal class 155
Cable quality	Li4G4G-J
Material impeller	Impeller made of aluminium
Connection diagram	1360-108XA
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
Inlet cone	Inlet nozzle without measuring device for volume flow
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 6.3
Weight	43.00 kg

*** 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:

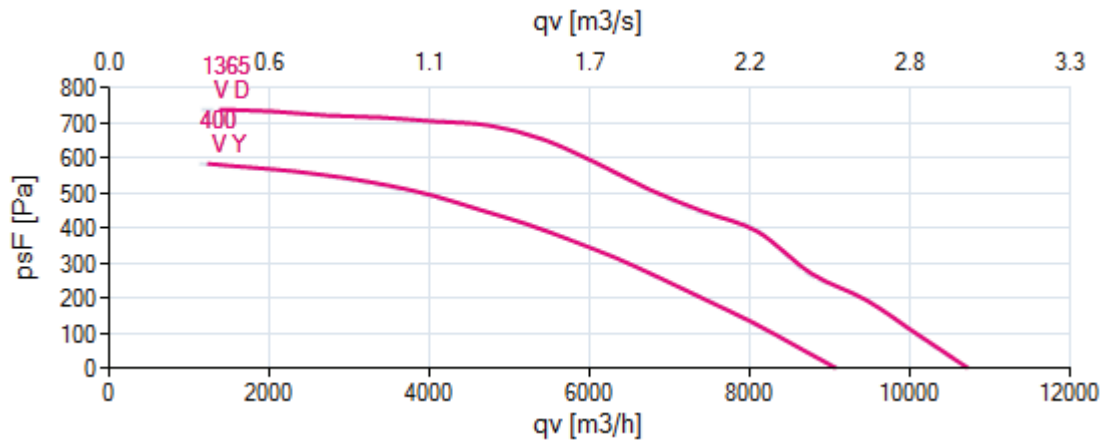
Please refer to the technical documentation of the product for the minimum and maximum ambient temperature valid for the respective fan. Operation below -25 °C as well as partial load operation for refrigeration applications is only possible with special bearings for refrigeration applications on request.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

3. Characteristic Curve

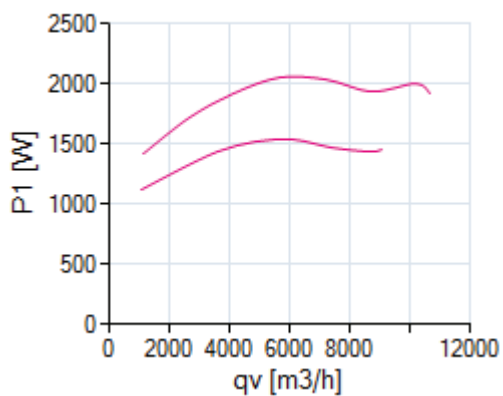
RH56M-VDT.7Q.1R
3~ 400V 50Hz D

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

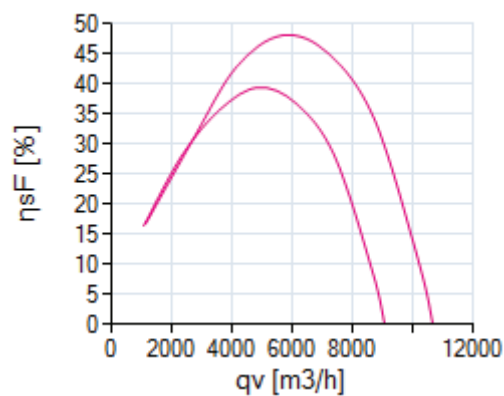
Air performance



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.

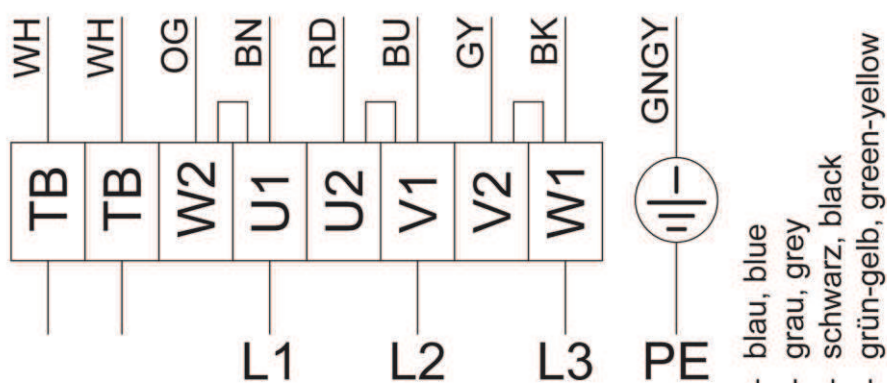
5. Connection diagram

3~ Motor mit 2 Drehzahlen (Δ /Y-Umschaltung) und Thermostatschalter (falls eingebaut). Ohne Brücke bei Verwendung von Drehzahlumschalter.

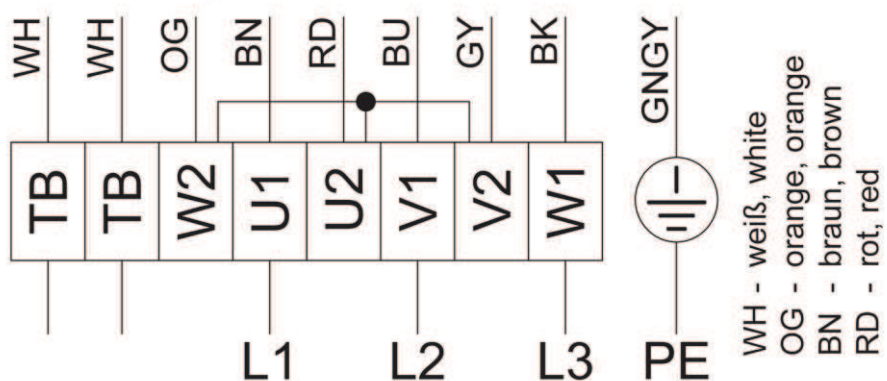
3~ motor, 2 speeds (Δ /Y switch over) with thermostatic switch (if built in). Without bridge when using speed change-over switch.

Hohe Drehzahl / Δ -Schaltung
High speed / Δ -connection

108XA-05



Niedere Drehzahl / Y-Schaltung
Low speed / 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](#).