

Movement by Perfection



The Royal League in ventilation, control and drive technology



Product documentation

Type
FC063-VDQ.6K.V7

Article number
204718

Product documentation

Customer
Actrol

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Project
Axial Fan

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1. Product specification

Technical data

Article number	204718
Type	FC063-VDQ.6K.V7
Designation	Axial fan with diecast blades
Rated values	3~400V±10% D/Y 50Hz P ₁ 1,90/1,20kW 3.20/ 1.95A 1310/1030/min COSY 0,86
Electrical connection	Terminal box K07
Min. operating temperature °C	-40***
Mounting type terminal box	Mounted on Stator
Type of protection	IP54
Thermal class	THCL155
Connection diagram	1360-108XA
Rating plate	1x fixed
Fitting position	H/Vu/Vo
Motor protection	thermal contact
Impregnation	Moisture and hot climate protection
Quality of bearings	ball bearing with long-time lubrication
Material Rotor	Aluminium
Painting rotor	Rotor 1 coat painted
colour rotor	RAL 7030 (stone grey)
Material blades	Aluminium
Painting impeller	1 coat painted
Colour blades	RAL 7030 (stone grey)
Control	--
Painting housing	Bell mouth 1 coat paint
Colour housing	RAL 7030 (stone grey)
Painting mot.suspens	Motor suspension 1 coat paint
colour suspension	RAL 7030 (stone grey)
Weight kg	33,45
ErP Data	Efficiency η_{statA} : 36,0 % Efficiency grade: $N_{actual} = 40,5 / N_{target} = 40^*$ *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.

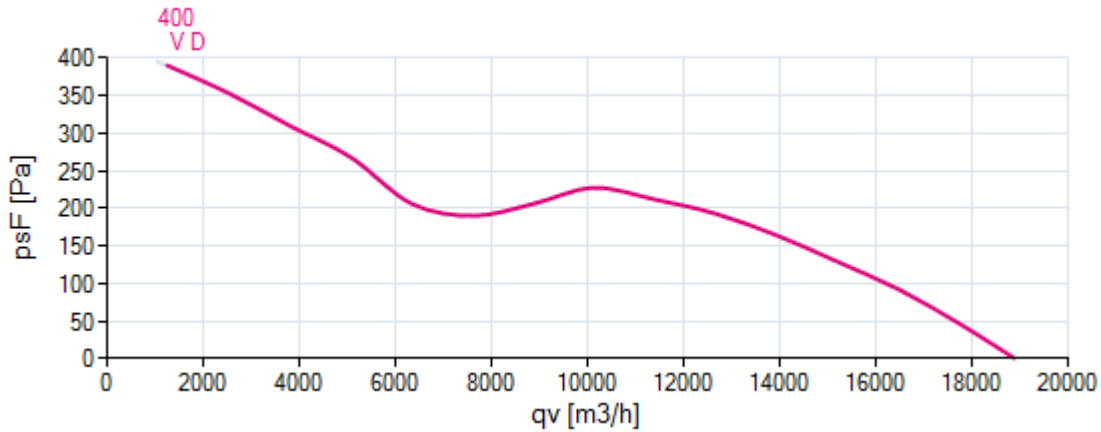
2. Characteristic Curve

FC063-VDQ.6K.V7

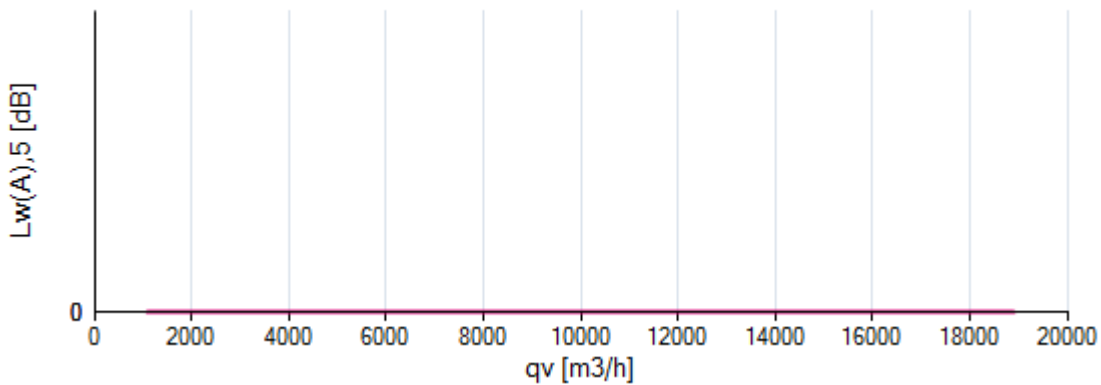
3~ 400V 50Hz D

Messdichte 1,16

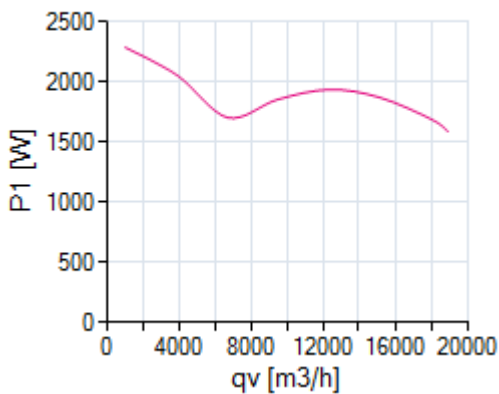
Air performance



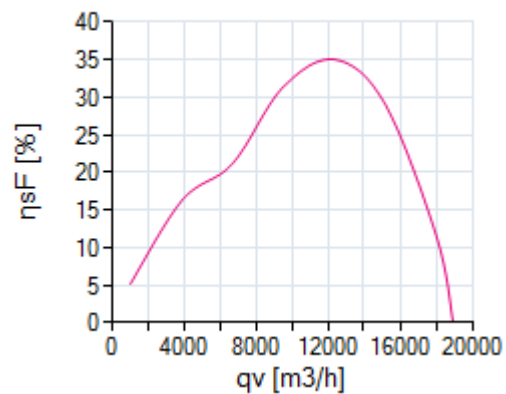
Acoustics



Power input



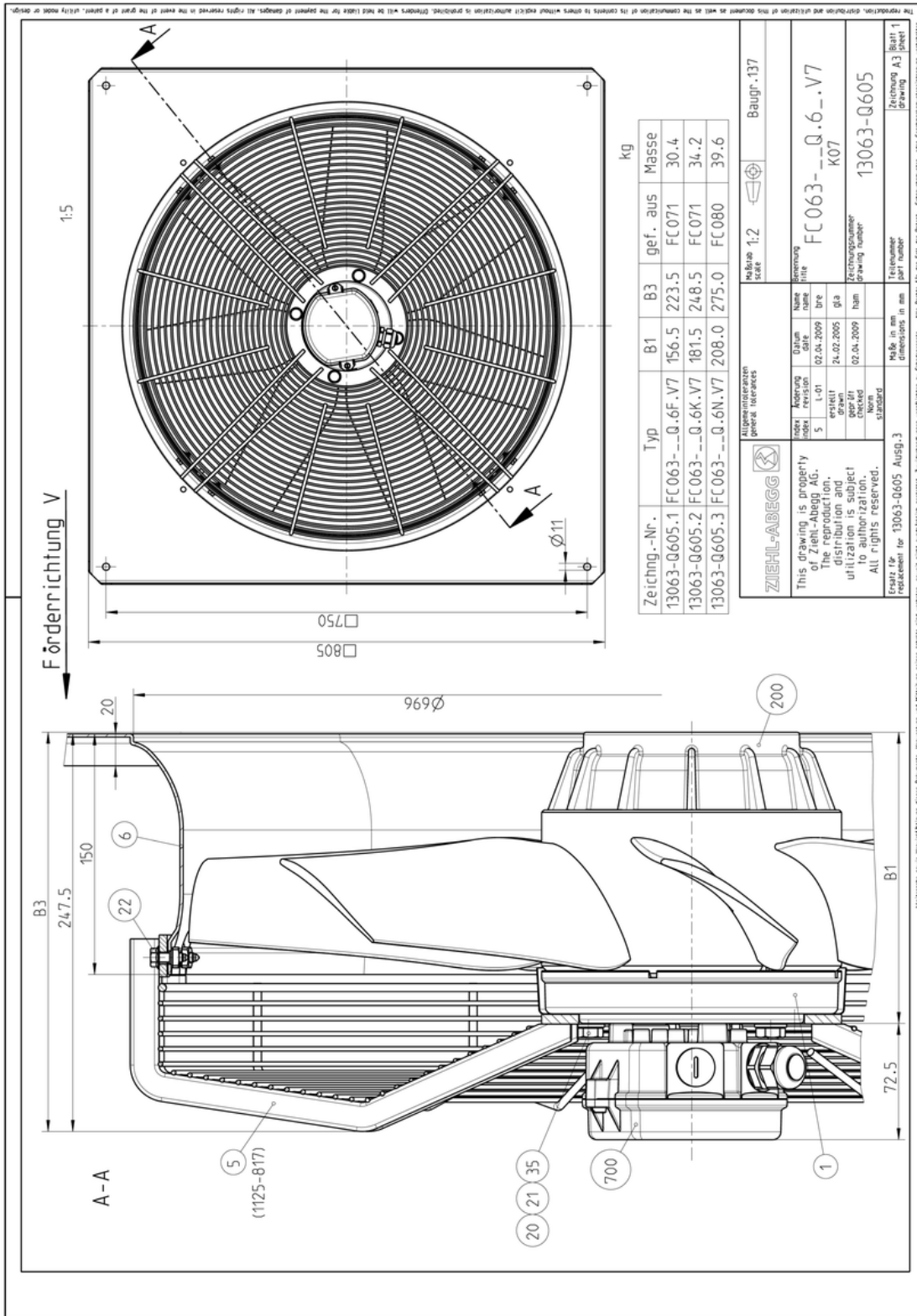
Efficiency



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.

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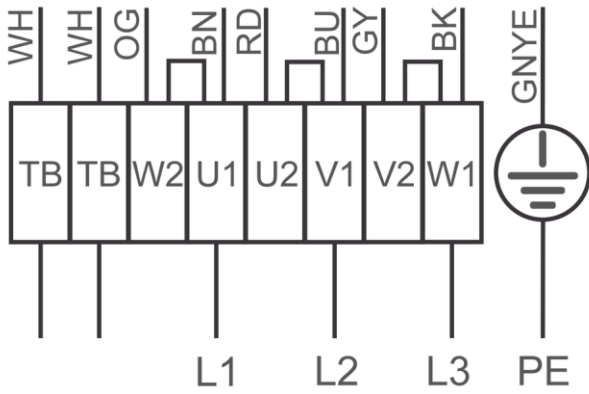
4. Connection diagram

1360-108XA

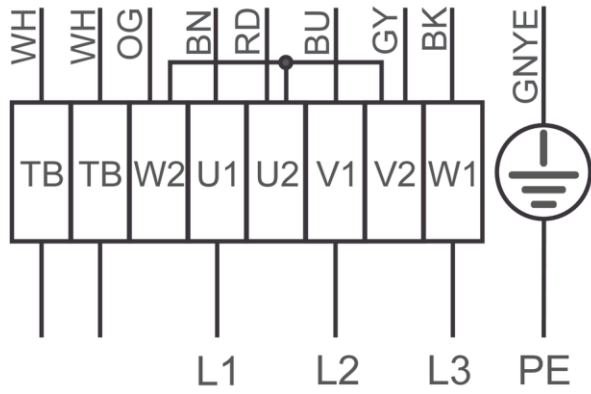
3~ motor, 2 speeds (Δ/Y switch over) with thermostatic switch (if built in). Without bridge when using speed change-over switch.

- BN brown
- BU blue
- BK black
- RD red
- GY grey
- OG orange
- WH white
- GNYE green-yellow

High speed/D-connection



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](#).