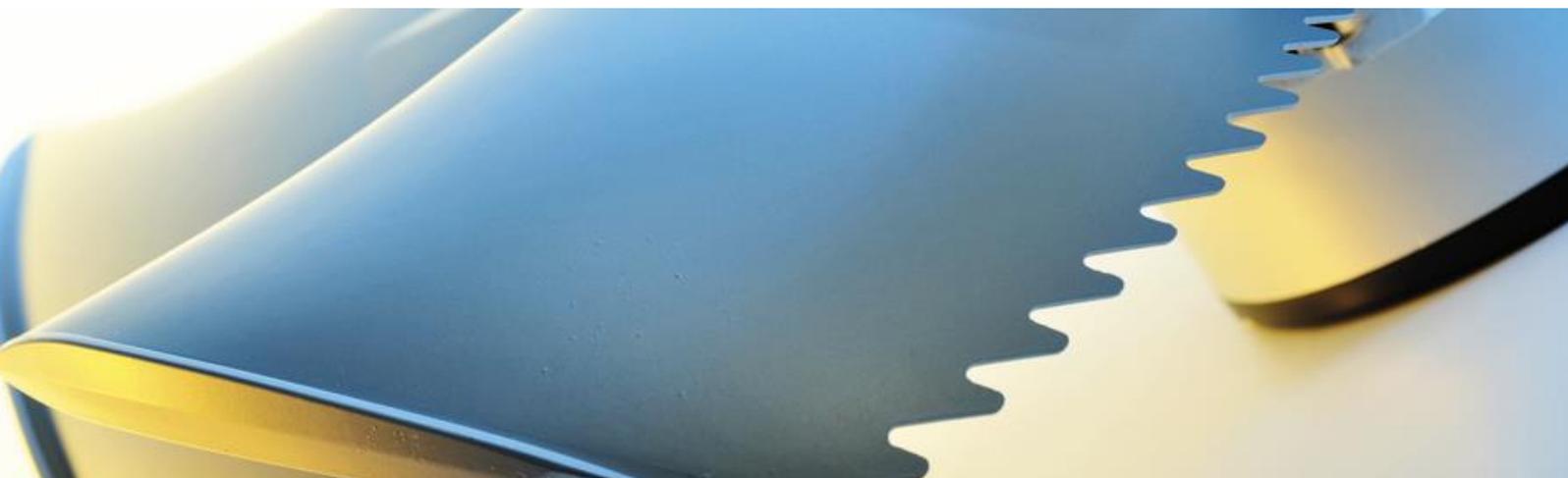


Movement by Perfection



The Royal League in ventilation, control and drive technology



Product documentation

Type  
FC045-VDL.4C.V7

Article number  
105188

## Product documentation

Customer  
Actrol

ZIEHL-ABEGG Contact  
Kenz Zacharias  
Tel. +61288832854  
kenz.zacharias@ziehl-abegg.com.au

Project  
Axial Fan

ZIEHL-ABEGG Subsidiary  
Australia  
ZIEHL-ABEGG Australia Pty Ltd (VIC)  
181 Calarco Drive  
Derrimut  
VICTORIA 3030  
AUSTRALIA  
Phone +61 3 99310899  
Fax +61 3 99310499  
www.ziehl-abegg.com.au  
info@ziehl-abegg.com.au

Type  
FC045-VDL.4C.V7

Article number  
105188



### Contents

1.	Product specification	3
2.	Characteristic Curve	4
3.	Drawing	5
4.	Connection diagram	6
5.	EU-Declaration of conformity	7

### 1. Product specification

#### Technical data

Article number	105188
Type	FC045-VDL.4C.V7
Designation	Axial fan with diecast blades
Rated values	3~400V±10% D/Y 50Hz P <sub>1</sub> 0,35/0,24kW 0,75/ 0,43A ΔI=0% 1360/1070/min COSY 0,67 70°C 3~400V±10% D/Y 60Hz P <sub>1</sub> 0,52/0,33kW 0,92/ 0,56A ΔI=5% 1480/1010/min COSY 0,82 40°C 3~460V±10% D/Y 60Hz P <sub>1</sub> 0,55/0,42kW 0,86/ 0,59A ΔI=10% 1600/1180/min COSY 0,80 40°C
Electrical connection	Terminal box K62
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 low temperature grease
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)
Guard grille type	ring grill
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	11,05
ErP Data	Efficiency $\eta_{statA}$ : 36,3 % Efficiency grade: $N_{actual} = 45,4 / N_{target} = 40^*$ *ErP 2015

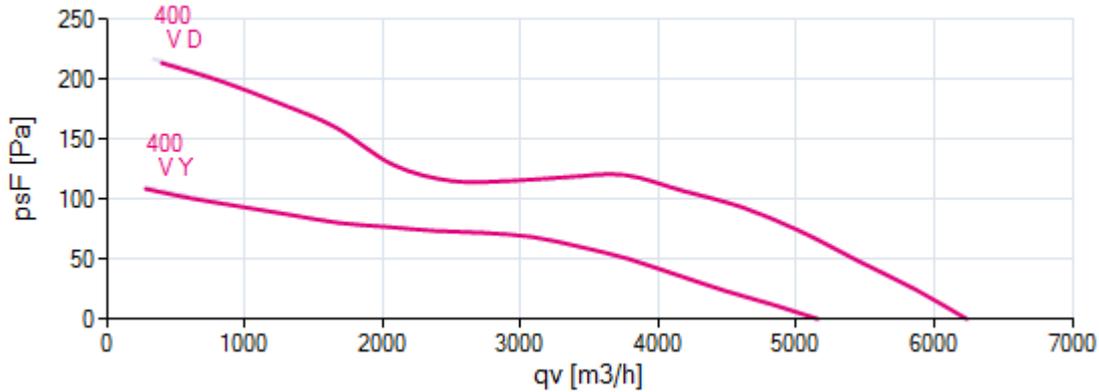
## 2. Characteristic Curve

FC045-VDL.4C.V7

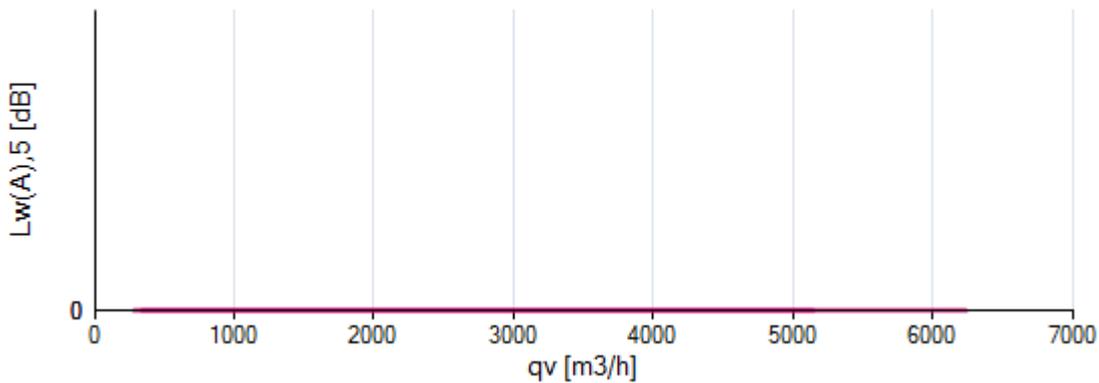
3~ 400V 50Hz D

Messdichte 1,16

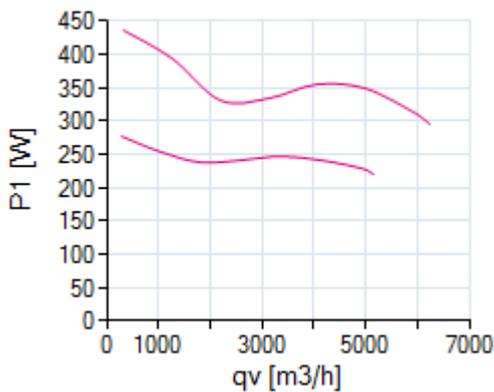
### Air performance



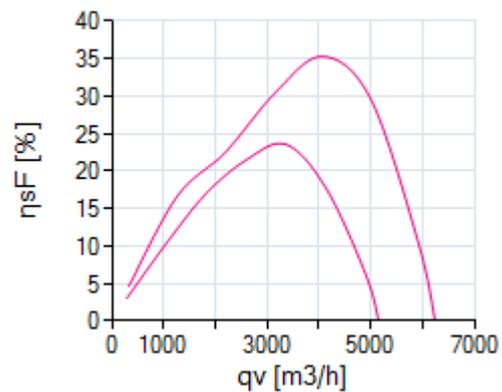
### Acoustics



### 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.



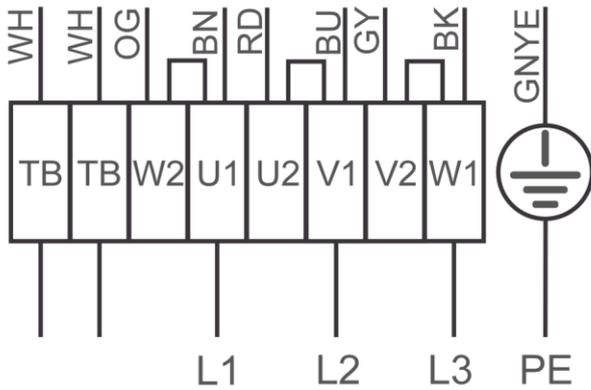
### 4. Connection diagram

#### 1360-108XA

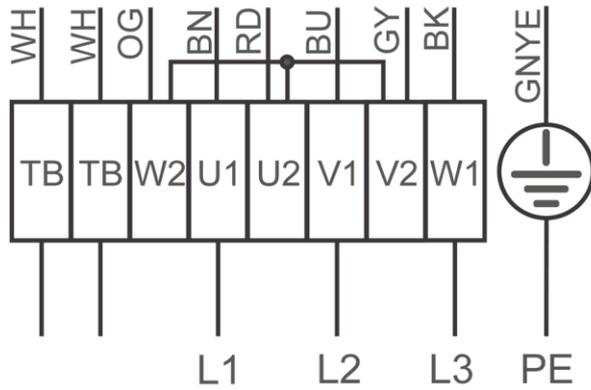
3~ motor, 2 speeds ( $\Delta/Y$  switch over) with thermostatic switch (if built in). Without bridge when using speed change-over switch.

- 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](#).