

Movement by Perfection



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



[Product documentation](#)

Type  
[FN063-VDQ.6N.V7P7](#)

Article number  
[170696](#)

## Product documentation

Customer

Beijing Hengrui Mechanical and Electrical Equipment  
Co,Ltd

Project

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Type

FN063-VDQ.6N.V7P7

Article number

170696



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## 1. Product specification - Technical data

|                               |                                                                                                                |
|-------------------------------|----------------------------------------------------------------------------------------------------------------|
| Article number                | 170696                                                                                                         |
| Type                          | FN063-VDQ.6N.V7P7                                                                                              |
| Designation                   | Axial fan with sickle blades                                                                                   |
| Rated values                  | 3~400V±10% D/Y 50Hz P <sub>1</sub> 2,70/1,75kW<br>5,00/ 3,00A ΔI=5% 1330/1040/min COSY 0,77 60°C               |
| 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                | unpainted                                                                                                      |
| Material blades               | Aluminium                                                                                                      |
| Painting impeller             | unpainted                                                                                                      |
| Guard grille type             | ring grill                                                                                                     |
| Control                       | --                                                                                                             |
| Other                         | All connecting elements in stainless steel.                                                                    |
| Painting housing              | Bell mouth powder-coated consistency class 2                                                                   |
| Colour housing                | RAL 9005 (jet black)                                                                                           |
| Painting mot.suspens          | Motor suspension powder-coated consistency class 2                                                             |
| colour suspension             | RAL 9005 (jet black)                                                                                           |
| Weight kg                     | 41,30                                                                                                          |
| ErP Data                      | Efficiency $\eta_{statA}$ : 36,3 %<br>Efficiency grade: $N_{actual} = 40,0$ / $N_{target} = 40^*$<br>*ErP 2015 |

\*\*\* Occasional operation  $\leq -20^{\circ}\text{C}$  and in consideration of low est temperature according to product documentation permissible. For cooling applications with continuous operation  $\leq -20^{\circ}\text{C}$  cold design on request.

## 2. Characteristic Curve

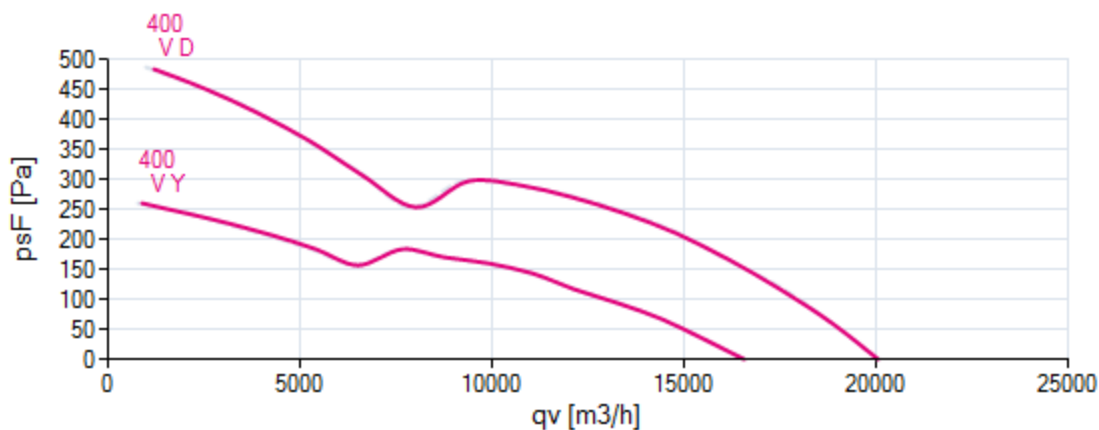
FN063-VDQ.6N.V7P7

measured in full bell mouth without guard grille in installation type A according to ISO 5801

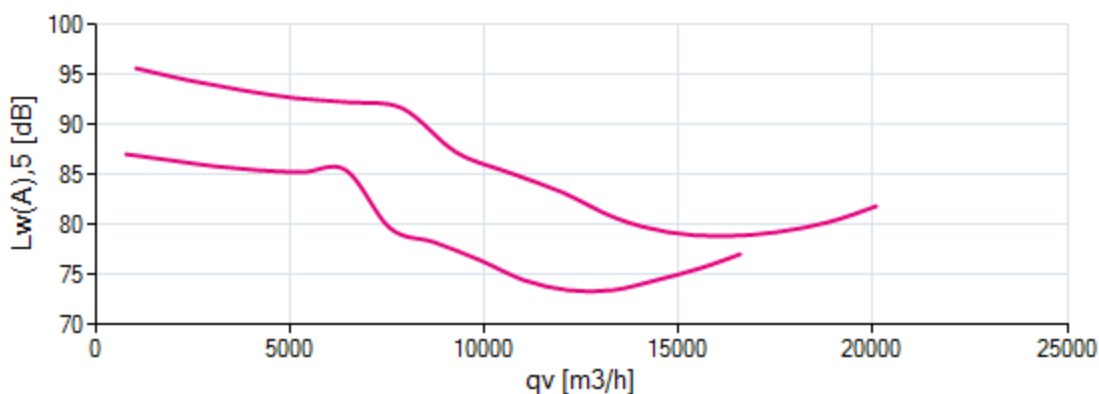
3~ 400V 50Hz D

Messdichte 1,16

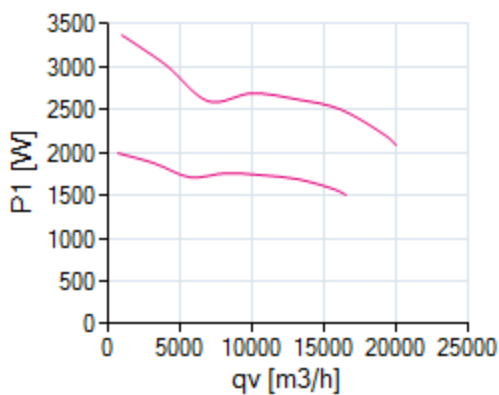
### Air performance



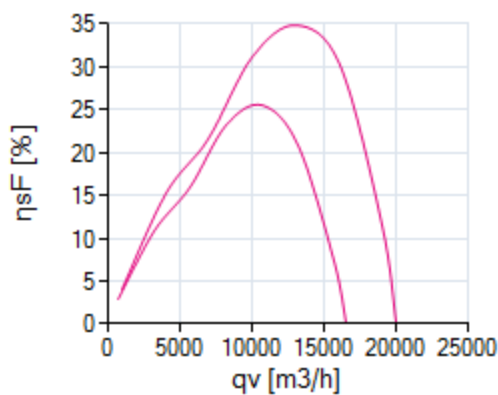
### Acoustics



### 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.

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## Die Königsklasse

### Data of operating point

frequency ( $f_{BP}$ )

50

Hz

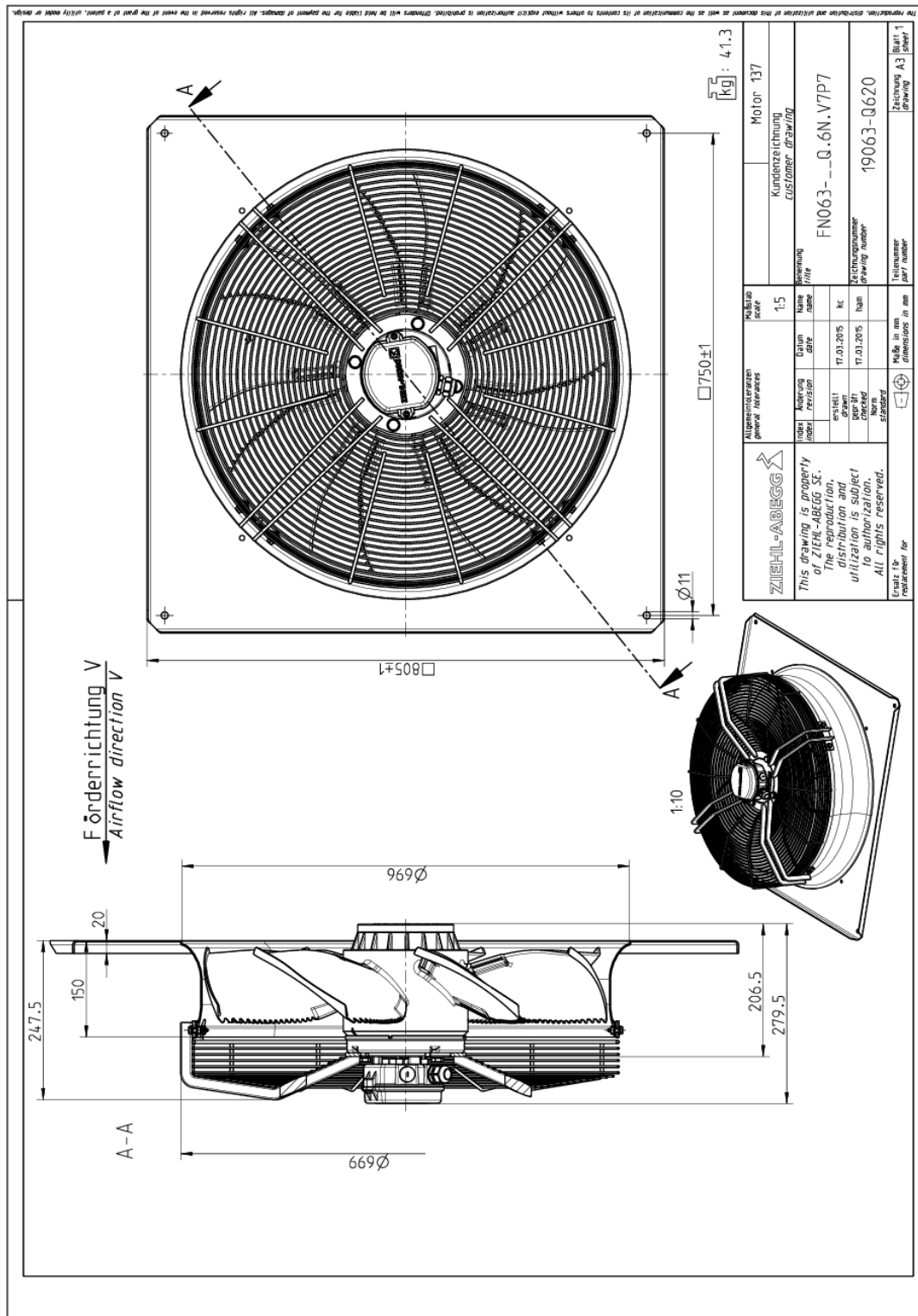
mains supply

3~ 400V 50Hz D

guard grille

no

### 3. Drawing



Dimensions in mm

Shown drawing is just to show the dimensions of the fan.

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### 4. Connection diagram

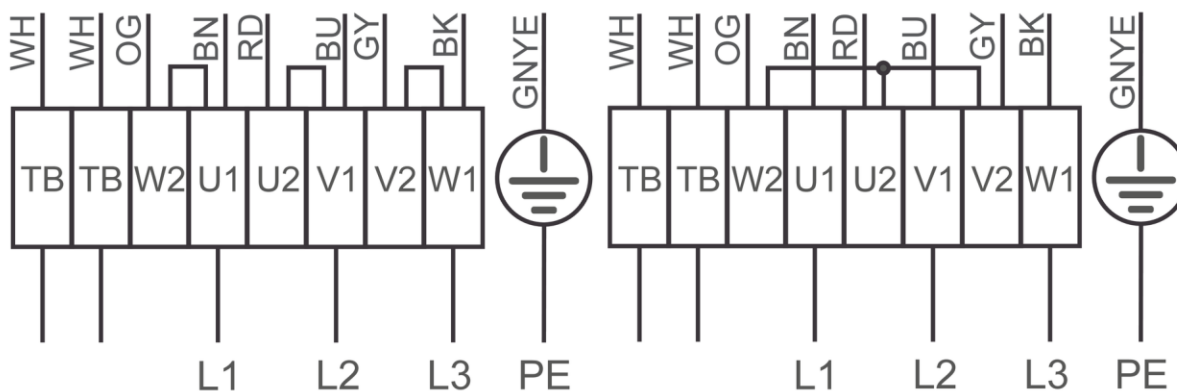
#### 1360-108XA

3~ motor, 2 speeds ( $\Delta$ /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



## 5. 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 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](#).