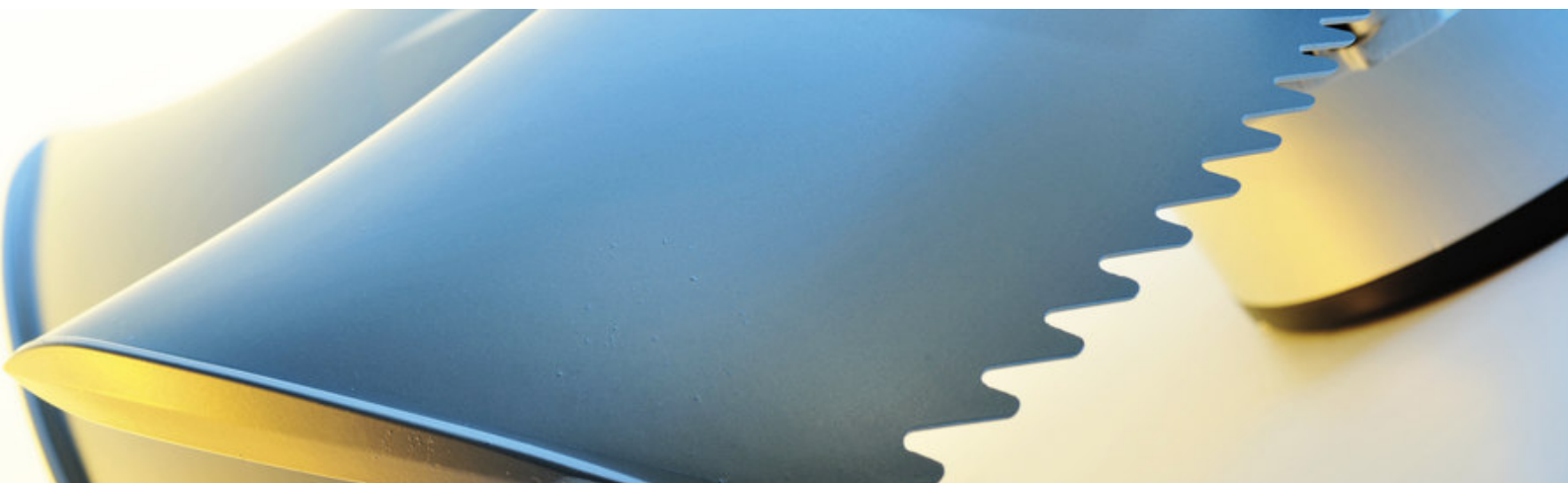




Movement by Perfection



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



[Product documentation](#)

Type  
FN040-VDQ.0F.A7P2

Article number  
156240

## Product documentation

Type  
FN040-VDQ.0F.A7P2

Article number  
156240



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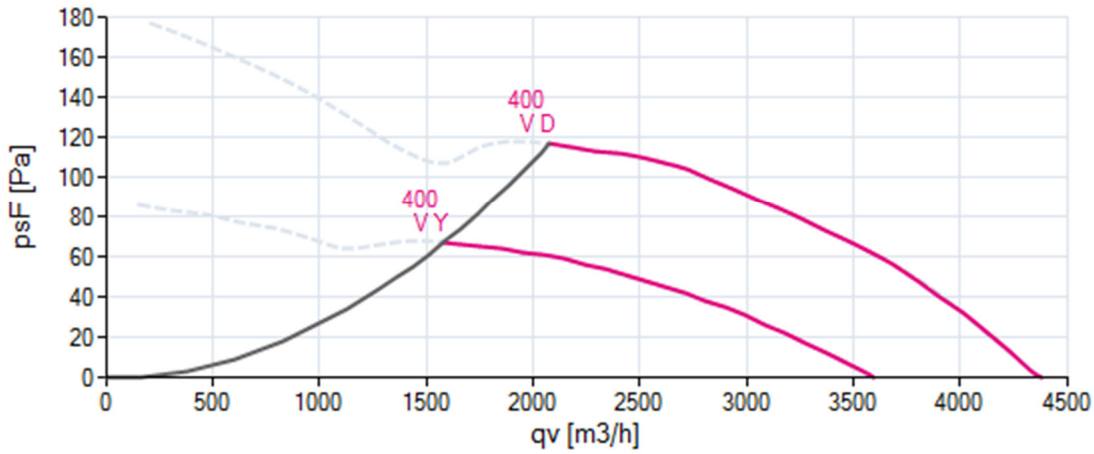
### 1. Product specification

#### Technical data

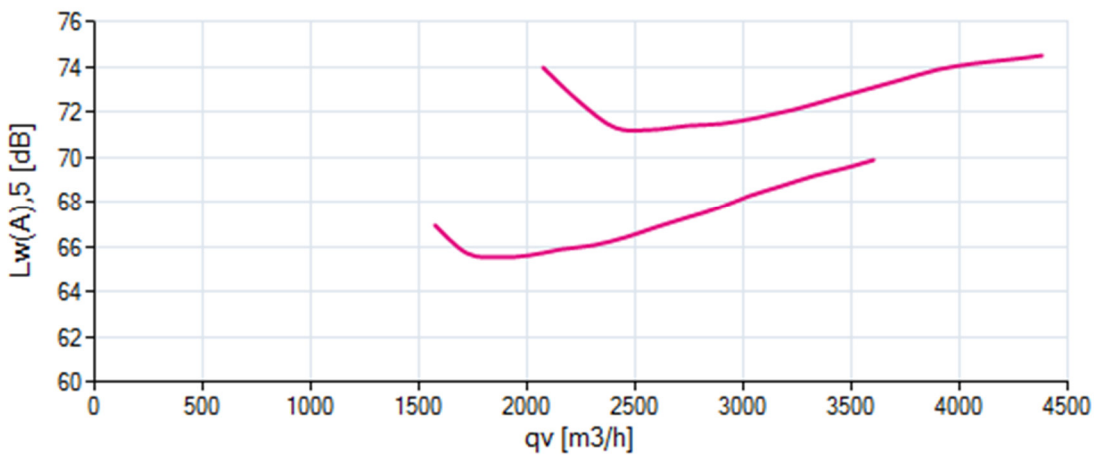
<b>Article number</b>	156240
<b>Type</b>	FN040-VDQ.0F.A7P2
<b>Designation</b>	Axial fan with sickle blades
<b>Rated values</b>	3~400V±10% D/Y 50Hz P <sub>1</sub> 260/180W 0.50/ 0.29A ΔI=0% 1340/1020/min COSY 0,77 70°C 3~400V±10% D/Y 60Hz P <sub>1</sub> 360/200W 0.59/ 0.32A ΔI=0% 1470/ 940/min COSY 0,88 PsF max. 95PA 55°C 3~460V±10% D/Y 60Hz P <sub>1</sub> 390/240W 0.58/ 0.34A ΔI=5% 1560/1090/min COSY 0,84 PsF max.100PA 55°C
<b>Electrical connection</b>	Terminal box K05
<b>Min. operating temperature °C</b>	-40
<b>Mounting type terminal box</b>	Mounted on Stator
<b>Type of protection</b>	IP54
<b>Thermal class</b>	THCL155
<b>Connection diagram</b>	1360-108XB
<b>Rating plate</b>	1x fixed
<b>Fitting position</b>	H/Vu/Vo
<b>Motor protection</b>	thermal contact
<b>Impregnation</b>	Moisture and hot climate protection
<b>Quality of bearings</b>	ball bearing with long-time lubrication
<b>Material Rotor</b>	Aluminium
<b>Painting rotor</b>	Rotor 1 coat painted
<b>colour rotor</b>	RAL 9005 (jet black)
<b>Material blades</b>	High Performance Composite Material
<b>Painting impeller</b>	unpainted
<b>Colour blades</b>	black
<b>Guard grille type</b>	ring grille
<b>Painting pipe</b>	Bell mouth powder-coated consistency class 2
<b>Colour pipe</b>	RAL 9005 (jet black)
<b>Painting mot.suspens</b>	Motor suspension powder-coated consistency class 2
<b>colour suspension</b>	RAL 9005 (jet black)
<b>Weight kg</b>	8,70
<b>ErP Data</b>	Efficiency $\eta_{statA}$ : 31.9 % Efficiency: $N_{actual} = 42.0 / N_{target} = 40^*$ *ErP 2015

### 2. Characteristic Curve

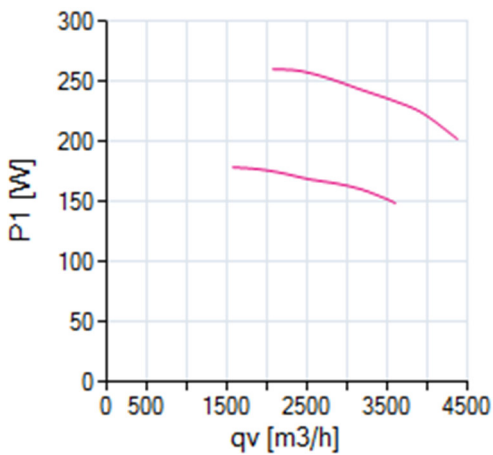
#### Air performance



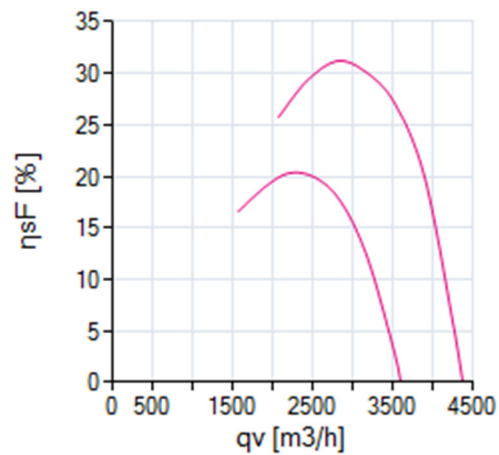
#### Acoustics



#### Power input

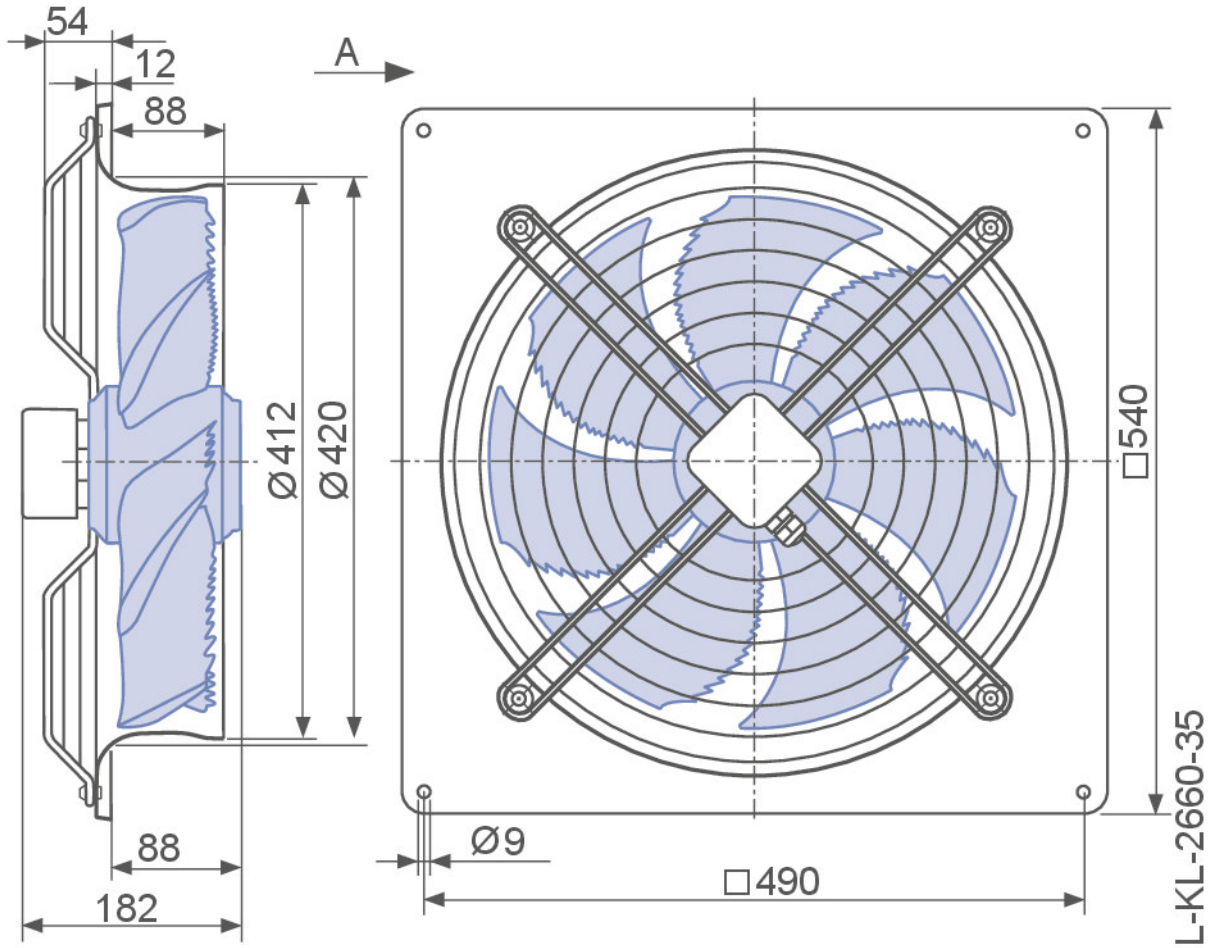


#### Efficiency



měřeno v plném hrdle bez mřížky, instalace typ A podle ISO 5801

### 3. Drawing





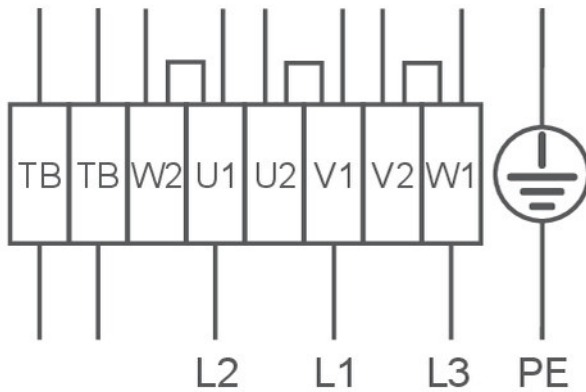
### 4. Connection diagram

#### 1360-108XB

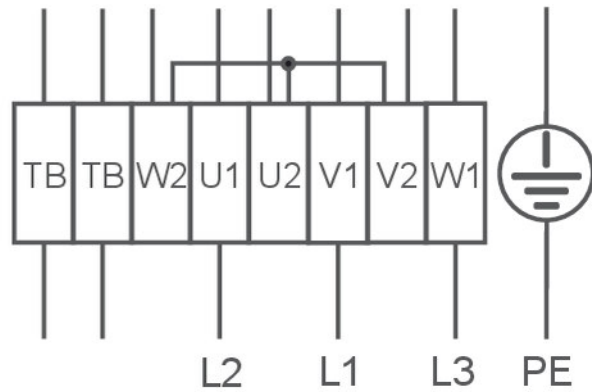
3~ motor, 2 speeds ( $\Delta$ /Y switch over) with thermostatic switch (if built in). Without bridge when using speed change-over switch.

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

High speed/ $\Delta$ -connection



Low speed/Y-connection



## 5. EU-Declaration of conformity

### EC-Declaration of conformity

as defined by the EC Low Voltage Directive 2006/95/EC, the EMC guideline 2004/108/EC, as well as ErP guideline 2009/125/EG.

#### The type of machinery:

- External rotor motor MK.., MW..
- Axial fan FA.., FB.., FC.., FE.., FF.., FS.., FT.., FH.., FL.., FN.., VR.., VN.., ZC.., ZF.., ZN..
- Centrifugal fan RA.., RD.., RE.., RF.., RG.., RH.., RK.., RM.., RR.., RZ.., GR.., ER..
- Cross-flow fan QK.., QR.., QT.., QD.., QG..

#### Motor type:

- Asynchronous internal or external rotor motor
- Asynchronous internal or external rotor motor with integrated frequency inverter, except EDP system
- Electronically commutated (EC) internal or external rotor motor
- Electronically commutated internal or external rotor motor with integrated EC controller, except EDP system

is developed, designed and manufactured in accordance with the EC Directives 2006/95/EC, 2004/108/EC and 2009/125/EC, on the own responsibility of

ZIEHL-ABEGG SE  
Heinz-Ziehl-Strasse  
D-74653 Kuenzelsau

#### The following standards are applied:

EN 60034-1:2010+Cor.:2010, EN 60204-1:2006, EN 60529:1991 + A1:2000, EN 61000-6-3:2007, EN 61000-6-2:2005

Compliance with the ErP Directive 2009/125/EC does not refer to external rotor motors MK.., MW..

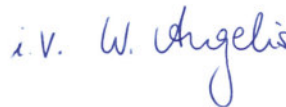
All ErP-relevant information comprises measurements which are determined using a standardised measurement set-up. More details can be obtained from the manufacturer.

Compliance with the EMC Directive 2004/108/EEC only applies to this product if it is connected according to the operating instructions. If this product is integrated in a system or complemented and operated with other components (e.g., switching and control equipment), the manufacturer of or company operating the overall plant is responsible for compliance with the EMC Directive 2004/108/EEC.

The complete technical documentation is available.

22.11.2013

Dr. W. Angelis - Technical Director Air Movement  
Division



ZA75-GB-12/13 Index 008

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# The Royal League Die Königsklasse



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.

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