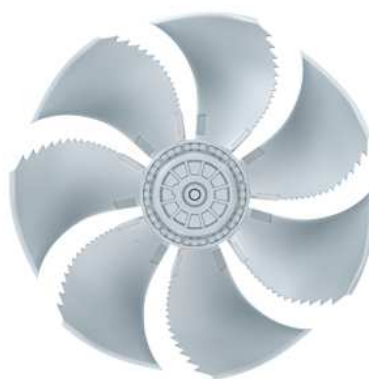


Movement by Perfection



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



Product documentation

Type
FN056-VDQ.4M.A7P2

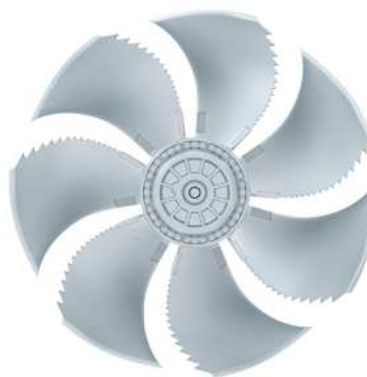
Article number
159441

Product documentation

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Type
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Article number
159441



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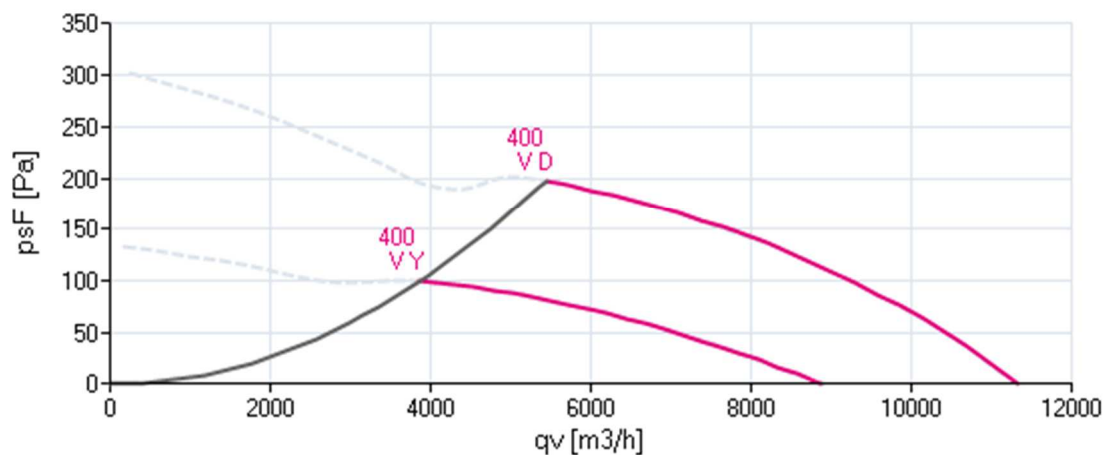
1. Product specification

Technical data

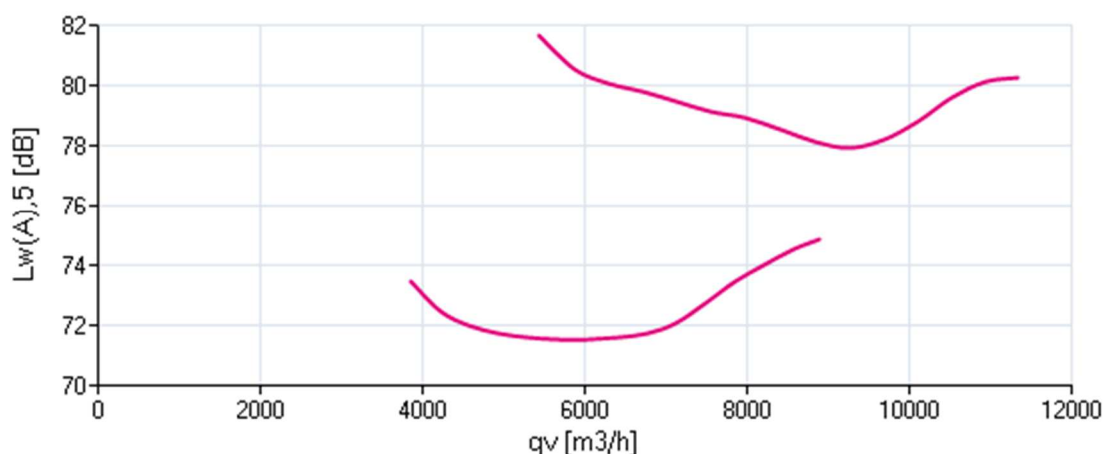
Article number	159441
Type	FN056-VDQ.4M.A7P2
Designation	Axial fan with sickle blades
Rated values	3~400V±10% D/Y 50Hz P ₁ 1.05/0.58kW 2.20/ 1.10A ΔI=0% 1280/910/min COSY 0,68 70°C 3~400V±10% D/Y 60Hz P ₁ 1.35/0.58kW 2.60/ 1.15A ΔI=0% 1320/ 830/min COSY 0,73 55°C 3~460V±10% D/Y 60Hz P ₁ 1.55/0.72kW 2.70/ 1.25A ΔI=0% 1430/ 950/min COSY 0,72 55°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	1360-108XB
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 grille
Painting pipe	Bell mouth powder-coated consistency class 2
Colour pipe	RAL 9005 (jet black)
Painting mot.suspens	Motor suspension powder-coated consistency class 2
colour suspension	RAL 9005 (jet black)
Weight kg	24,20
ErP Data	Efficiency η_{statA} : 33.7 % Efficiency: $N_{\text{actual}} = 40.1 / N_{\text{target}} = 40^*$ *ErP 2015

2. Characteristic Curve

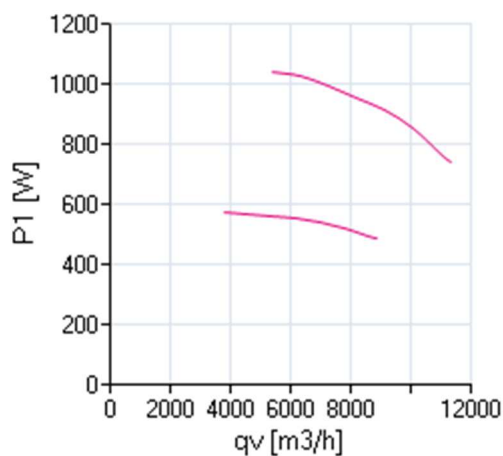
Air performance



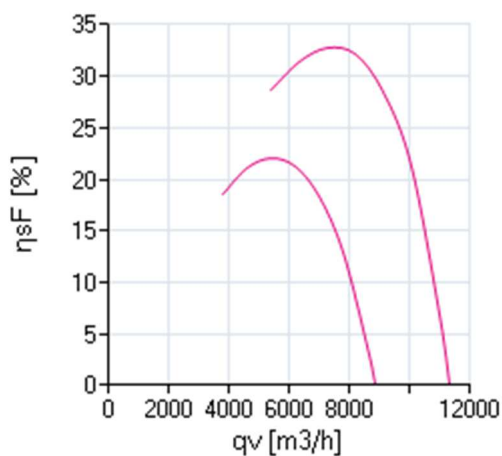
Acoustics



Power input

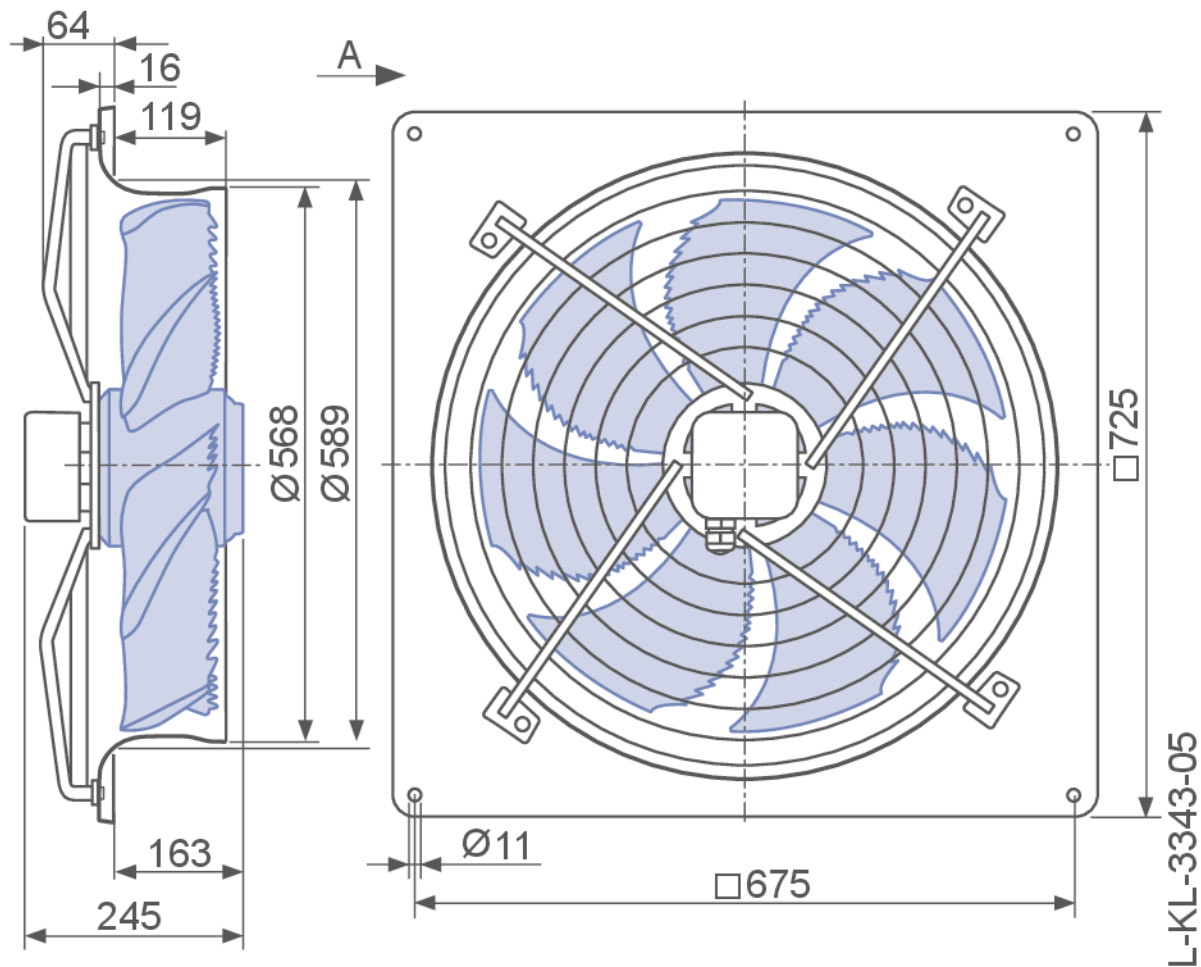


Efficiency



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

3. Drawing





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4. Connection diagram

Connection diagram

1360-108XB

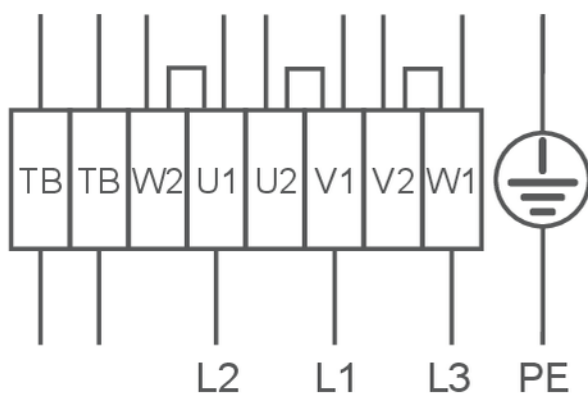
Description

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

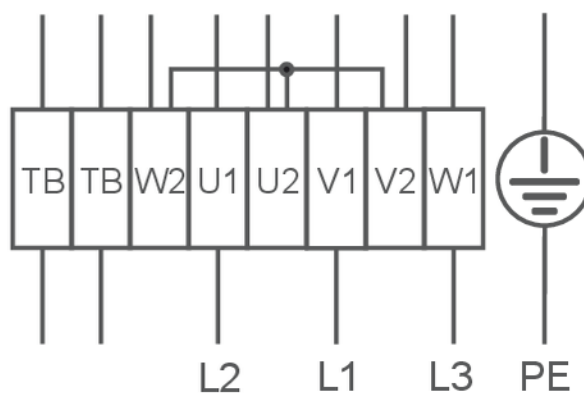
Cable colours

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

High speed/ Δ -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...

Motor type:

- Asynchronous internal or external rotor motor with integrated frequency inverter for EDP system
- Electronically commutated internal or external rotor motor with integrated EC controller for 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 61000-6-4:2007, EN 61000-6-2:2005

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

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

Dr. W. Angelis

ZA92-GB-12/13 Index 003

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english

ZIEHL-ABEGG 

The Royal League Die Königsklasse



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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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