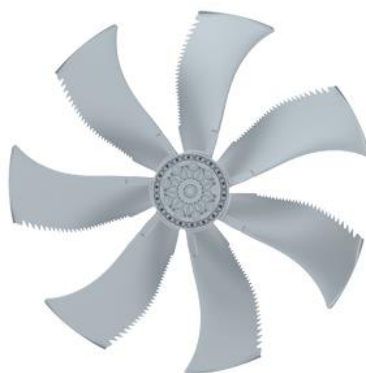


Movement by Perfection



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



Product documentation

Type
FN091-SDK.6N.V7P2

Article number
162029

Product documentation

Customer

-

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Project

-

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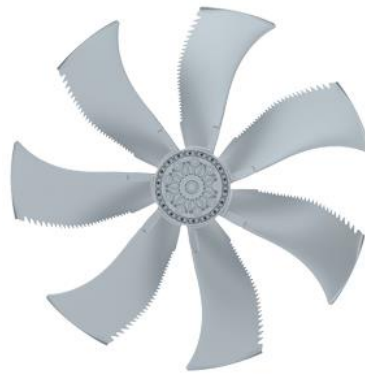
Website: www.dayan-rs.com

Type

FN091-SDK.6N.V7P2

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Contents

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

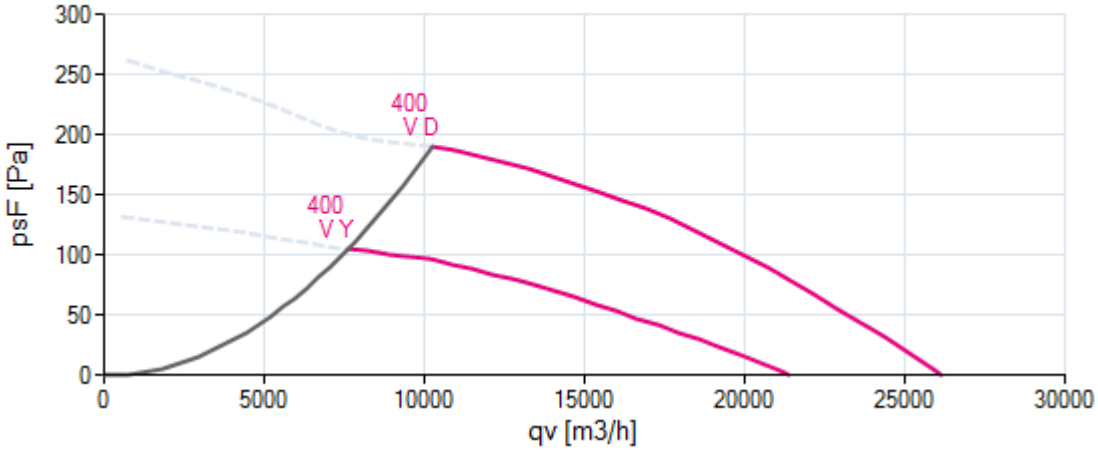
1. Product specification

Technical data

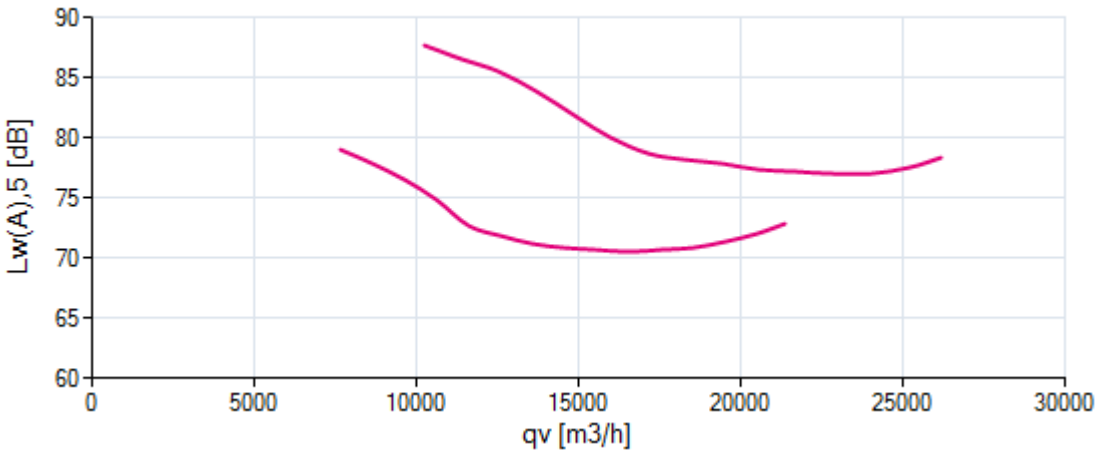
Article number	162029
Type	FN091-SDK.6N.V7P2
Designation	Axial fan with sickle blades
Rated values	3~400V±10% D/Y 50Hz P ₁ 1.85/1.05kW 3.80/ 1.90A ΔI=0% 840/ 630/min COSY 0,70 70°C 3~400V±10% D/Y 60Hz P ₁ 2.40/1.15kW 4.40/ 2.10A ΔI=0% 870/ 580/min COSY 0,80 50°C 3~460V±10% D/Y 60Hz P ₁ 2.80/1.45kW 4.60/ 2.20A ΔI=0% 950/ 660/min COSY 0,77 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 long-time lubrication
Material Rotor	Aluminium
Painting rotor	unpainted
Material blades	aluminium
Painting impeller	unpainted
Guard grille type	ring grille
Other	All connecting elements in stainless steel.
Painting mot.suspens	Motor suspension powder-coated consistency class 2
colour suspension	RAL 9005 (jet black)
Weight kg	35,90
ErP Data	Efficiency η_{statA} : 39.2 % Efficiency: $N_{actual} = 44.0 / N_{target} = 40^*$ *ErP 2015

2. Characteristic Curve

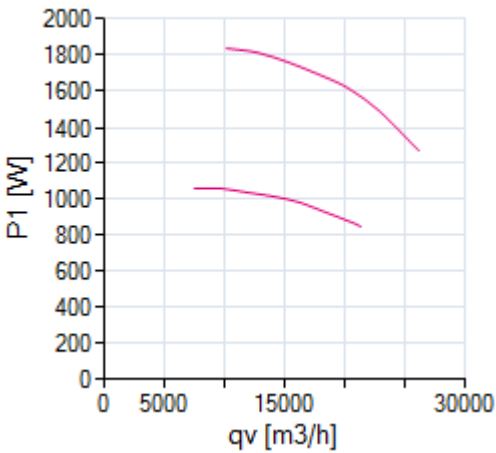
Air performance



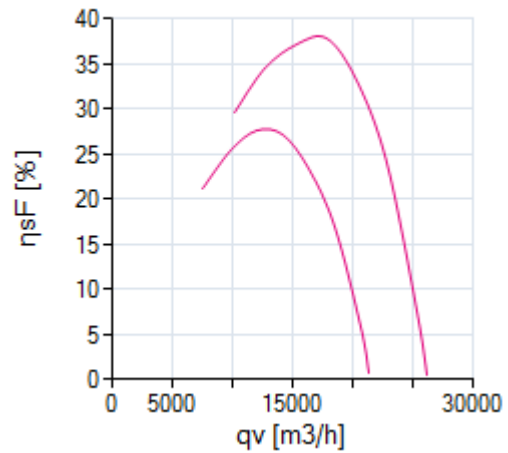
Acoustics



Power input

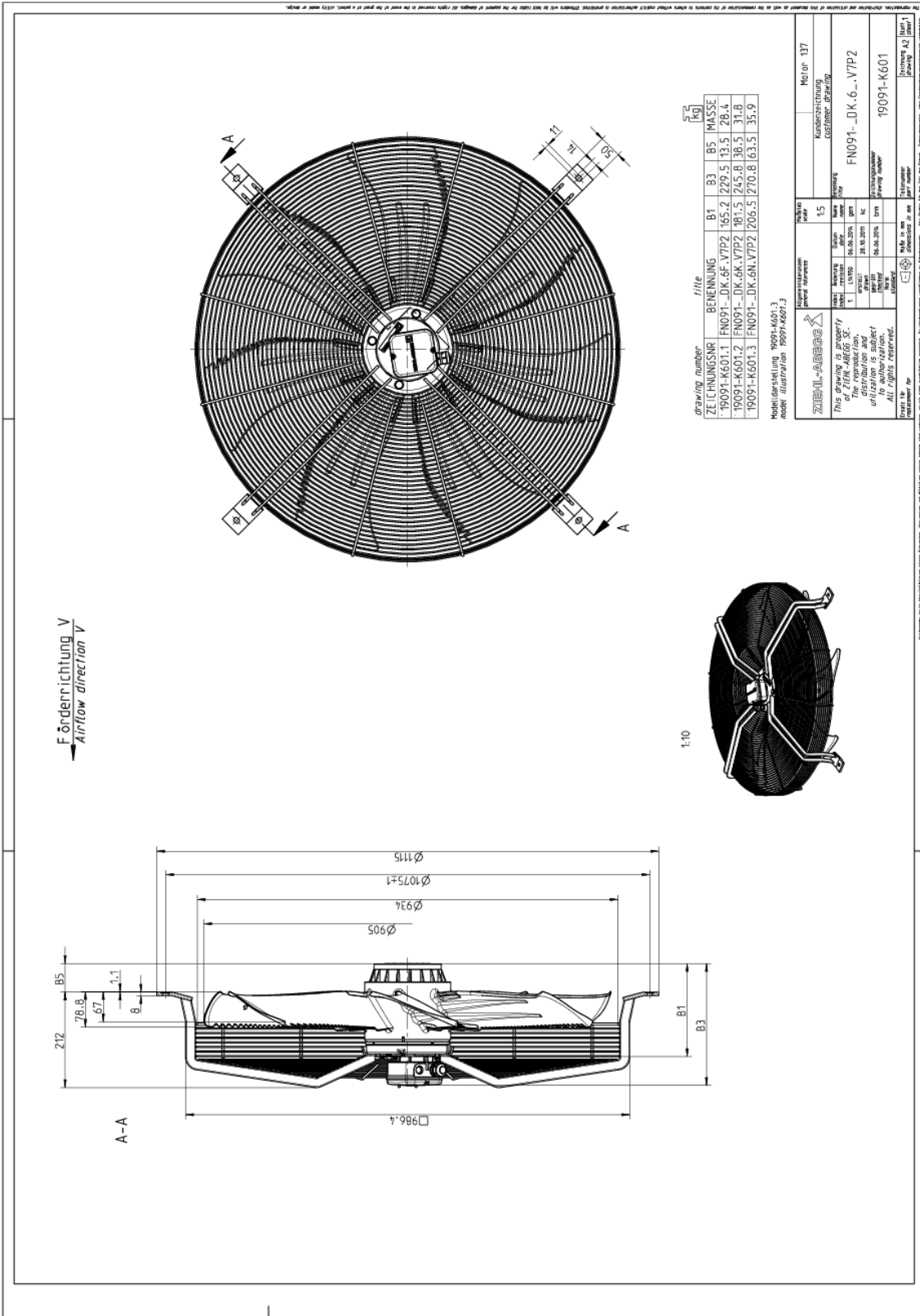


Efficiency



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

3. Drawing



Dimensions in mm

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

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4. Connection diagram

Connection diagram

1360-108XA

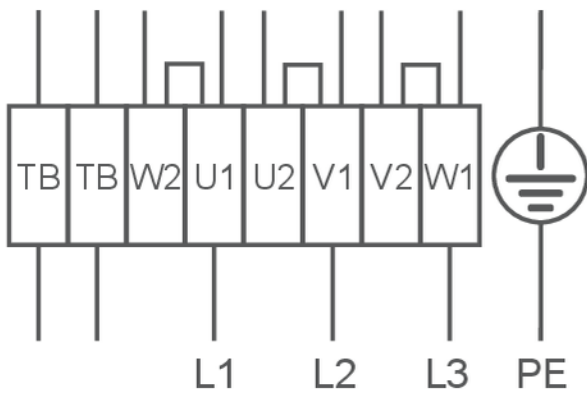
Description

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

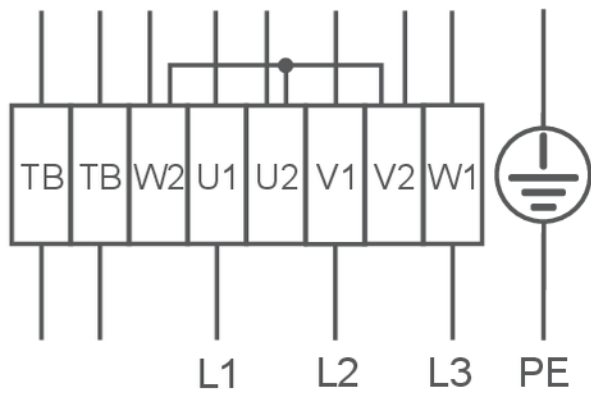
Cable colours

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

High speed/D-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



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ZA92-GB-12/13 Index 003

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ZIEHL-ABEGG 

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**

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