



Movement by Perfection



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



Product documentation

Type
FN025-2EQ.WA.A7

Article number
162472

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1. Product specification

Technical data

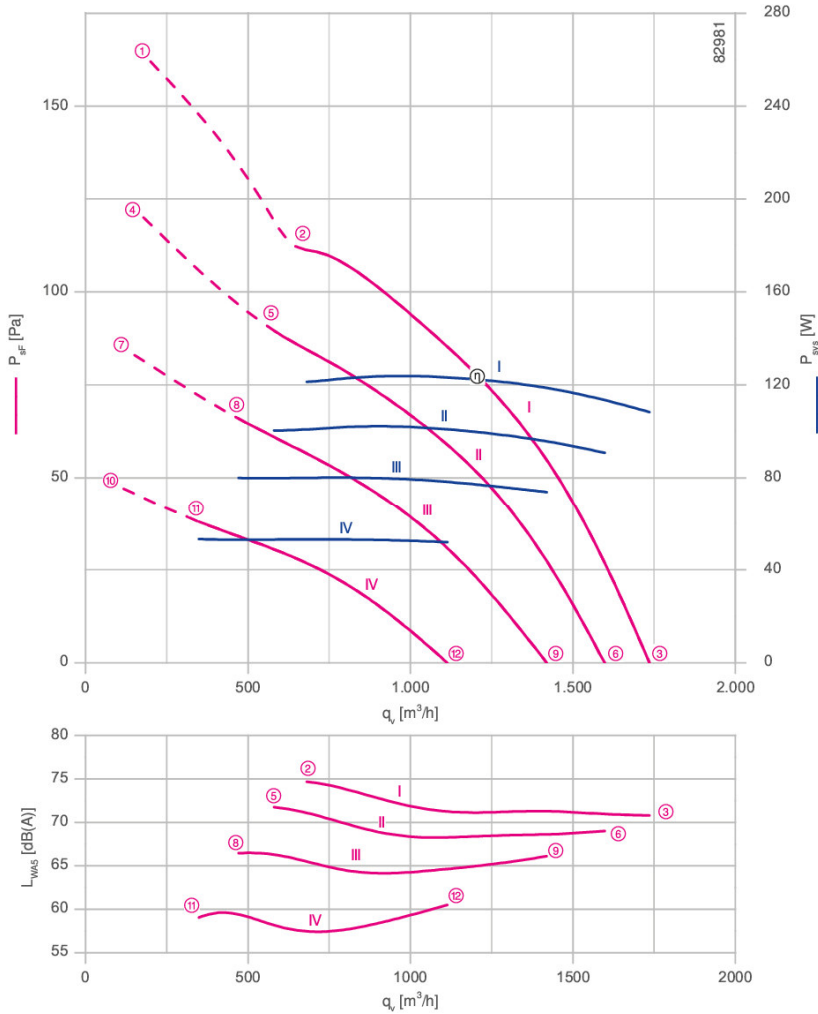
Article number	162472
Type	FN025-2EQ.WA.A7
Designation	Axial fan with sickle blades
Rated values	1~230V 50Hz P ₁ 0.12kW 0.54A ΔI=0% 2160/min 3.5uF/400V 65°C 1~230V 60Hz P ₁ 0.15kW 0.65A ΔI=0% 2090/min 3,5uF/400V 60°C
Electrical connection	Terminal box K09
Min. operating temperature °C	-40
Type of protection	---
Thermal class	THCL155
Connection diagram	1360-177X
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	Rotor 1 coat painted
colour rotor	RAL 5002 (ultramarine blue)
Material blades	High Performance Composite Material
Painting impeller	unpainted
Colour blades	black
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	4,20
ErP Data	Not subject to the regulations of ErP directive (P ₁ < 125 W)

2. Characteristic curve

Characteristic curve

Frequency: 50 Hz

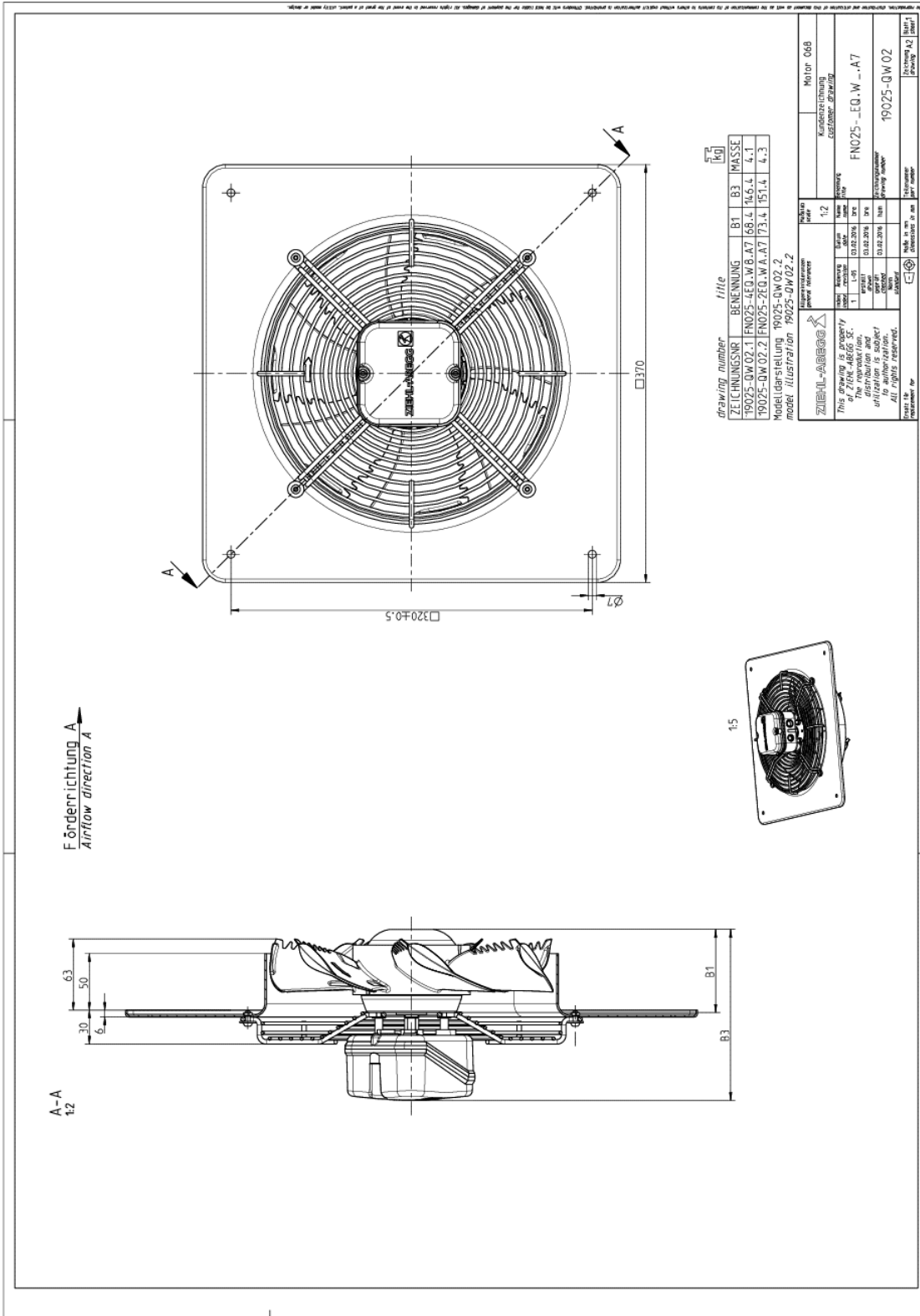
Measured in full bell mouth without guard grille in installation type A according to ISO 5801.



I = 1~230 V L, II = 1~200 V L, III = 1~170 V L, IV = 1~135 V L

Operating point		①	②	③	④	⑤	⑥	⑦	⑧	⑨	⑩	⑪	⑫
Characteristic curve		I	I	I	II	II	II	III	III	III	IV	IV	IV
Connection		L	L	L	L	L	L	L	L	L	L	L	L
Voltage	V	230	230	230	200	200	200	170	170	170	135	135	135
Input power	W	140	120	110	110	100	90	85	80	75	55	55	50
Current	A	0,58	0,52	0,48	0,54	0,50	0,46	0,48	0,46	0,44	0,40	0,39	0,38
Speed	min ⁻¹	1900	2210	2410	1650	1970	2230	1370	1640	1970	1040	1250	1550
Suction side sound	dB(A)	73	75	71	69	72	69	64	67	66	57	60	61

3. Drawing



Dimensions in mm

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

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4. Connection diagram

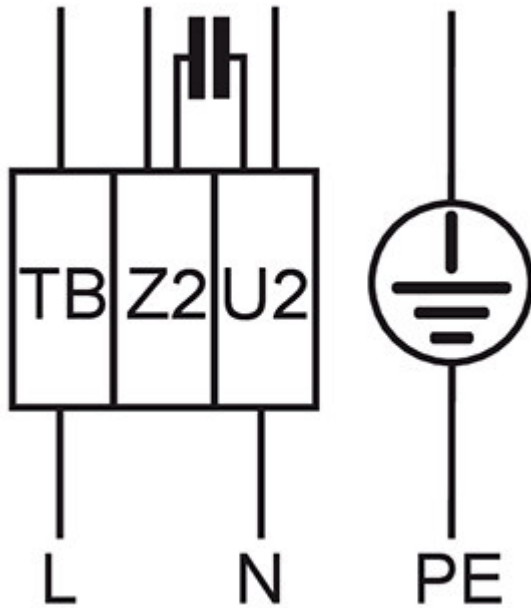
1360-177X

1~ Motor with capacitor and thermostatic switch.

U2 blue or grey

Z2 black

TB brown



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

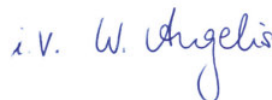
Compliance with the ErP Directive 2009/125/EC does not refer to external rotor motors MK., MW..

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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