

Movement by Perfection



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



[Product documentation](#)

Type
FN045-6EW.2F.A7P3

Article number
141703

Product documentation

Customer

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Project

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3.	Characteristic Curve	Chyba! Záložka není definována.
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1. Product specification

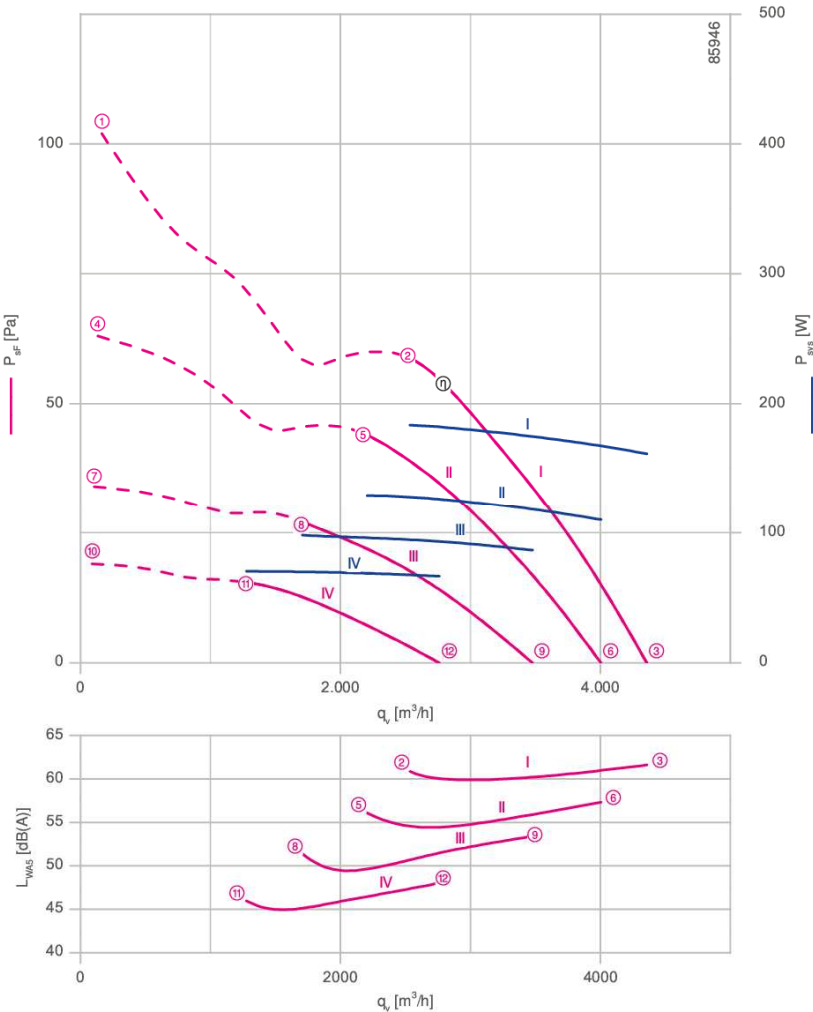
Technical data

Article number	141703
Type	FN045-6EW.2F.A7P3
Designation	Axial fan with sickle blades
Rated values	1~230V±10% 50Hz P ₁ 180W 0.82A ΔI=0% 870/min 6.0uF/400V 70°C 1~230V±10% 60Hz P ₁ 240W 1.05A ΔI=0% 970/min 6,0uF/400V 70°C
Electrical connection	Terminal box K05
Min. operating temperature °C	-25
Type of protection	IP54
Thermal class	THCL155
Connection diagram	1360-104XB
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 9005 (jet black)
Material blades	High Performance Composite Material
Painting impeller	unpainted
Colour blades	black
Guard grille type	ring grill
Painting mot.suspens	Motor suspension powder-coated consistency class 2
colour suspension	RAL 9005 (jet black)
Weight kg	6,30
ErP Data	Efficiency η_{statA} : 25.3 % Efficiency: $N_{actual} = 36.3 / N_{target} = 36^*$ *ErP 2013Does not comply with the stipulations of the ErP regulations

2. Characteristic curve

Frequency: 50 Hz

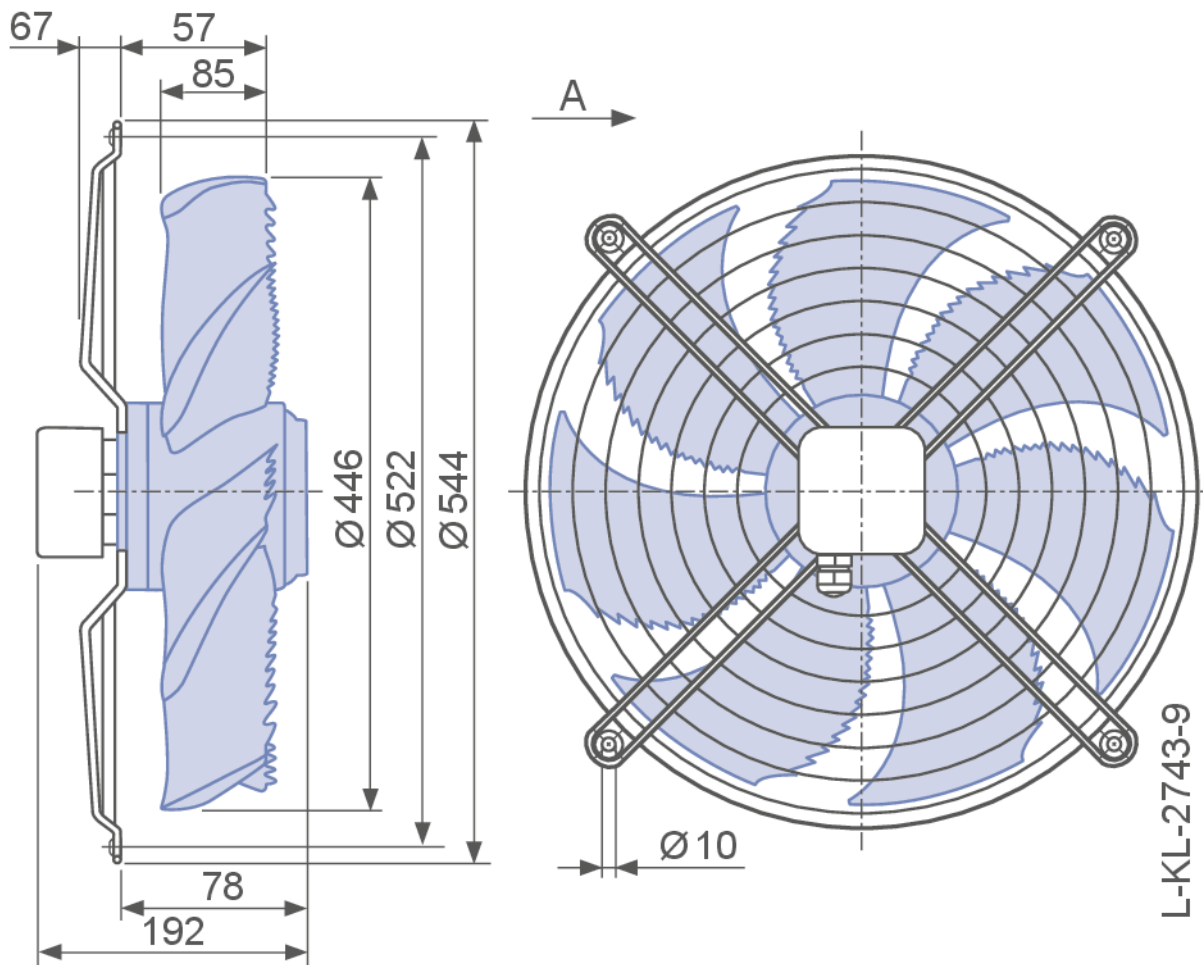
Measured in full bell mouth without guard grille in installation type A according to ISO 5801.



I = 1~230 V L, II = 1~170 V L, III = 1~135 V L, IV = 1~110 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	170	170	170	135	135	135	110	110	110
Input power	W	210	180	160	150	130	110	100	100	85	70	70	65
Current	A	0,94	0,82	0,72	0,90	0,76	0,66	0,80	0,74	0,64	0,68	0,66	0,62
Speed	min^{-1}	820	870	910	640	760	840	470	590	730	360	450	580

3. Drawing



Dimensions in mm

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

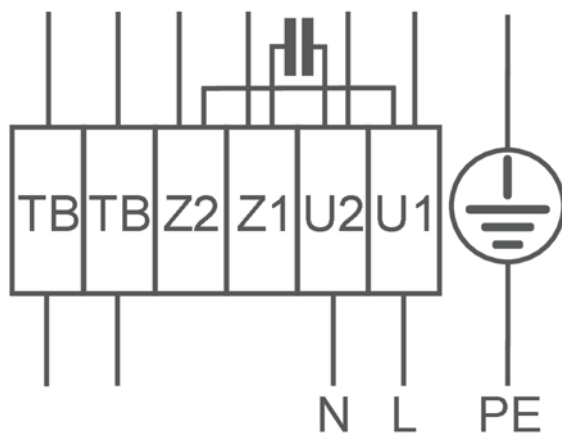
4. Connection diagram

1360-104XB

1~Motor with capacitor and thermostatic switch (if built in).

U1 brown
U2 blue
Z1 black
Z2 orange
TB white

Counter Clockwise rotation



5. EU-Declaration of conformity



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](#).