

FE2owlet

for three phase alternating current, 4-4 pole

FNO45-VD



Description

Motor technology: AC

Rated voltage U_N : 3~400 V (Δ/Y) $\pm 10\%$ *

Rated frequency f_N : **50 Hz*** (60Hz data available)

Input power P_i : 0.54/0.36 kW*

Rated current I_n : 1.10/0.66 A*

Rated speed n_n : 1350/1020 min⁻¹*

Starting current I_s : 4.00 / 1.20 A

Current increase ΔI : 10 %

Thermal class: **THCL155***

Min. permitted ambient temperature $t_{\text{amb min}}$: -40 °C

Max. permitted ambient temperature $t_{R(max)}$: 70 °C

Electrical connection: Terminal box

Number of blades: 7

Protection class: IP54

Motor protection: thermal con

Blades: Aluminium, uncoated

Rotor: Aluminium, uncoated

Conformity: ErP 2015, CE

ErP-data

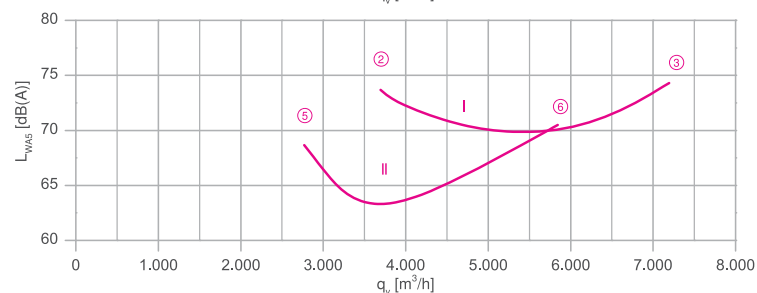
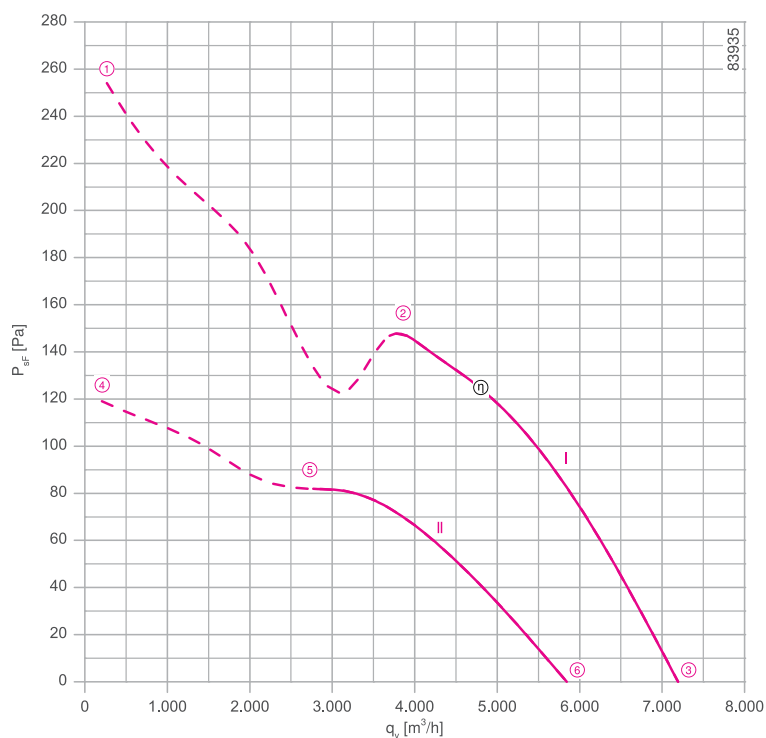
Efficiency η_{statA} : 34.0 %

Efficiency: $N_{\text{actual}} = 42.0 / N_{\text{target}} = 40^{**}$

* Rated data

**ErP 2015

Characteristic curve



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

Connection diagram Page 531

for airflow direction A 1360-108XB

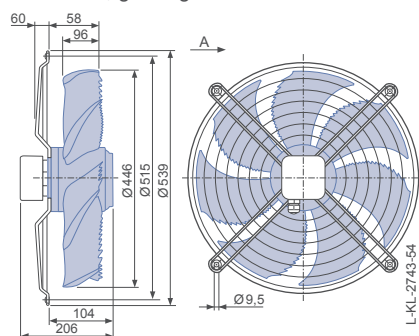
for airflow direction V 1360-108XA

System components Page 430

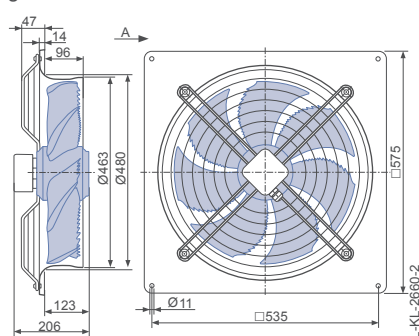
Dimensions mm

Airflow direction A

Design W - axial bolted, mounting for short bell mouth, guard grille suction side

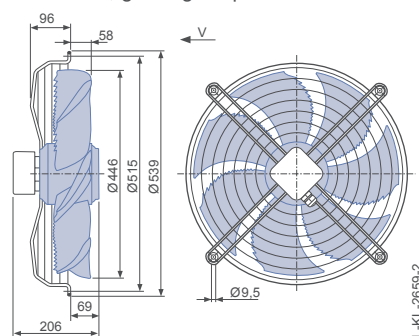


Design Q - square full bell mouth, guard grille suction side



Airflow direction V

Design K - axial bolted, mounted for short bell mouth, guard grille pressure side



Performance data

Type	Connection	Characteristic curve	Voltage	Operating point	Current	Input power	Speed	Suction side sound power level L_{WA5} dB(A)
			U V		I A	P_1 W	n min ⁻¹	
FN045-VD_4F_7P1	Δ	I	400	①	1.30	680	1300	
			400*	②	1.10*	540*	1350*	74
			400	③	0.96	440	1390	74
	Y	II	400	④	0.76	420	900	
			400*	⑤	0.66*	360*	1020*	69
			400	⑥	0.60	330	1130	71

*rated data

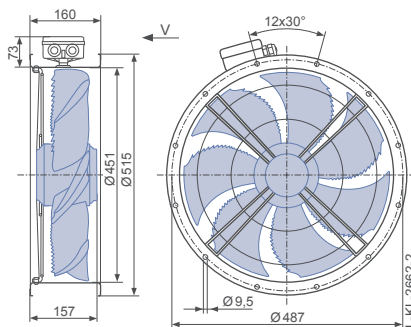
Fan ordering information

Airflow direction A				Airflow direction V		
Design	W (guard grille suction side)	Q (guard grille suction side)	K (guard grille pressure side)	F (without guard grille)	F (guard grille pressure side)	Q (guard grille pressure side)
						
Type	FN045-VDW.4F.A7P1	FN045-VDQ.4F.A7P1	FN045-VDK.4F.V7P1	FN045-VDF.4F.V7P1	FN045-VDF.4F.V7P1	FN045-VDQ.4F.V7P1
Article no.	153504	140106	140110	140118	140538	140114
Weight kg	11.00	14.60	11.00	14.20	14.50	14.40

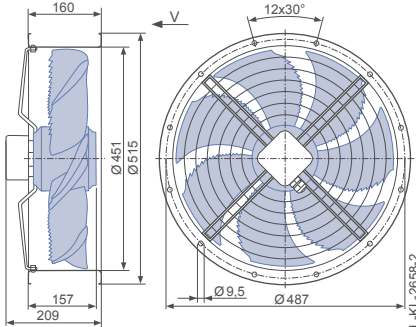
Control technology

Frequency inverters Fcontrol 3~  Page 480	Motor protection units 3~  Page 518	Electronic voltage controllers 3~  Page 506
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Design F - flange ring with two flanges,
without guard grille



Design F - flange ring with two flanges,
guard grille pressure side



Design Q - square full bell mouth, guard
grille pressure side

