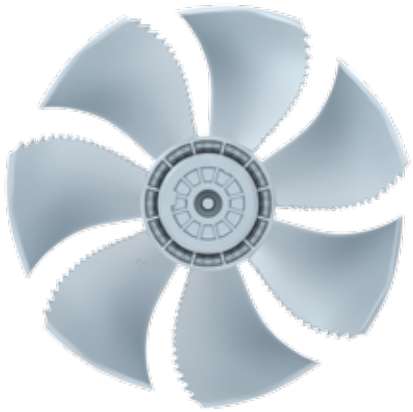
FE2owlet

for three phase alternating current, 4-4 pole

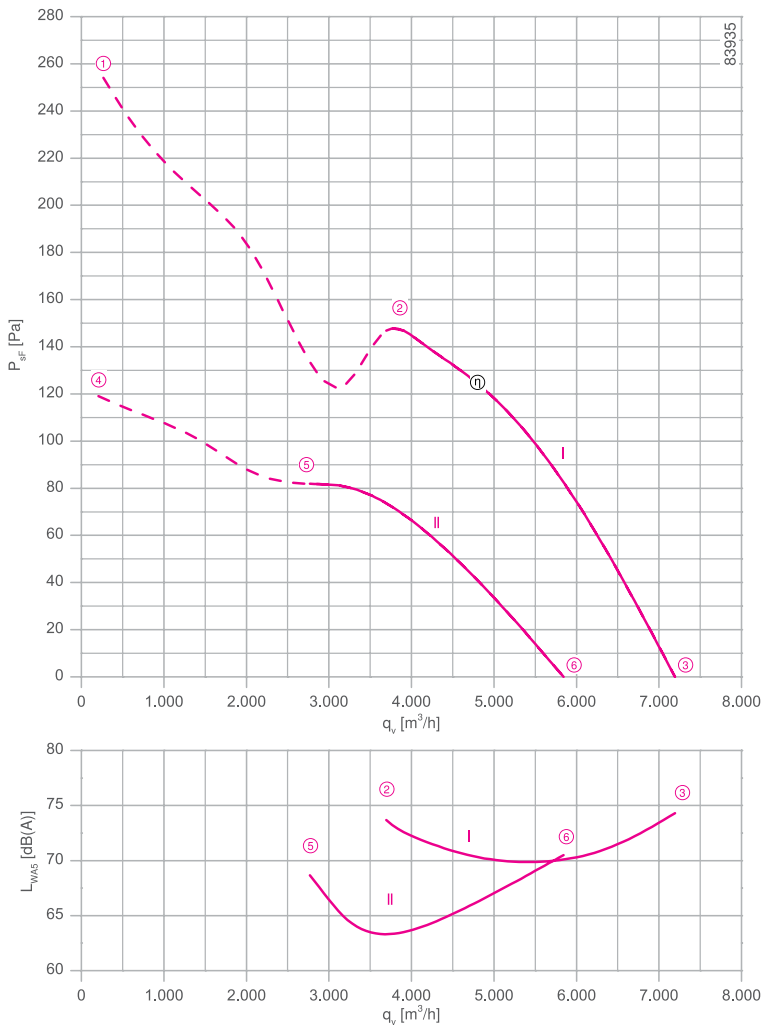
FN045-VD



Description

Motor technology: AC
Rated voltage U_N: **3~ 400 V (Δ/Y) ±10 %***
Rated frequency f_N: **50 Hz*** (60Hz data available)
Input power P_1: **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_A: 4.00 / 1.20 A
Current increase ΔI: 10 %
Thermal class: **THCL155***
Min. permitted ambient temperature $t_{R(min)}$: -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 contact
Blades: Aluminium, uncoated
Rotor: Aluminium, uncoated
Conformity: ErP 2015, CE
ErP-data
Efficiency η_{statA}: 34.0 %
Efficiency: N_{actual} = 42.0 / N_{target} = 40**
* Rated data
**ErP 2015

Characteristic curve



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

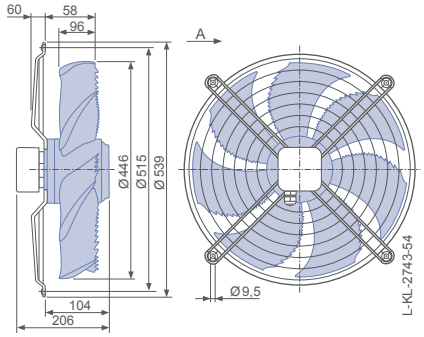
Connection diagram Page 531
for airflow direction A 1360-108XB
for airflow direction V 1360-108XA

System components Page 430

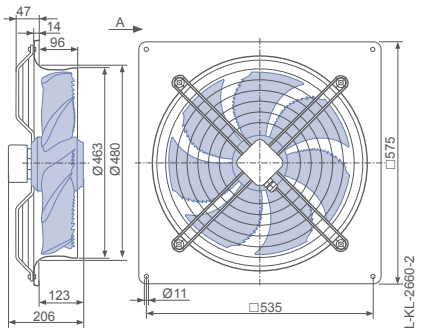
Dimensions mm

Airflow direction A

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

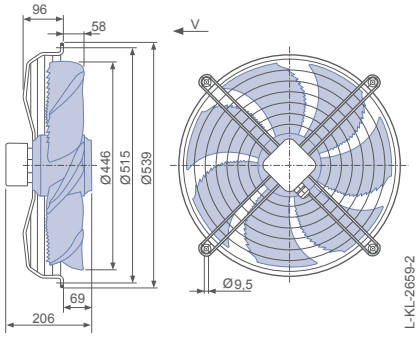


Design Q - square full bell mouth, guard grille suction side



Airflow direction V

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



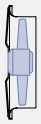
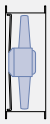
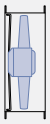
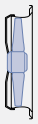
Performance data

Type	Connection	Characteristic curve	Voltage U V	Operating point	Current I A	Input power P_1 W	Speed n min^{-1}	Suction side sound power level L_{WA5} dB(A)
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

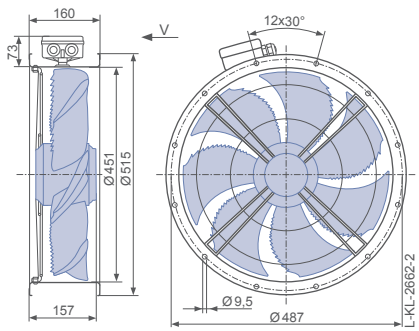
Airflow direction A | **Airflow direction V**

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

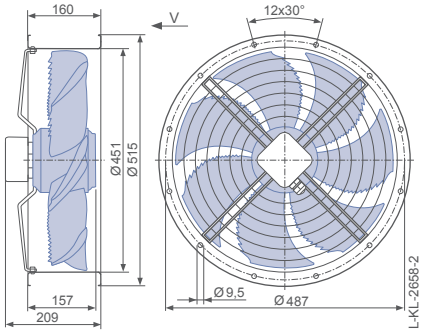
Control technology

Frequency inverters Fcontrol 3~	Motor protection units 3~	Electronic voltage controllers 3~
		
Page 480	Page 518	Page 506

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

