

FE2owlet

for three phase alternating current, 4-4 pole

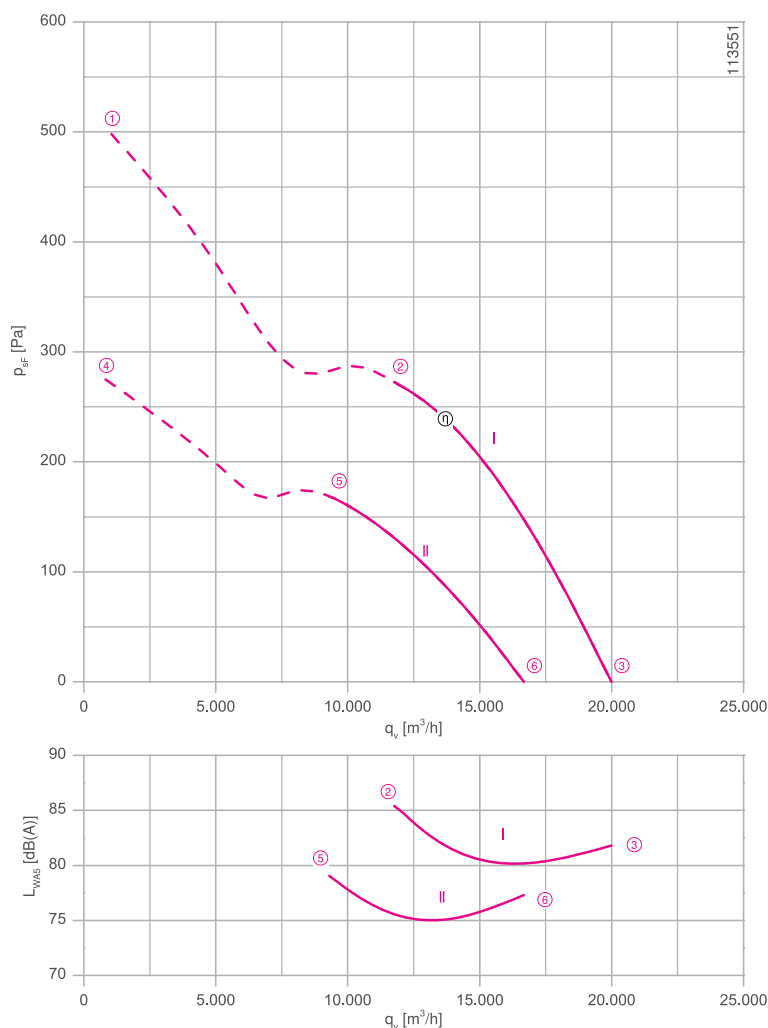
FNO63-VD



Description

Motor technology: AC
Rated voltage U_N : 3~ 400 V (Δ/Y) ± 10 %*
Rated frequency f_N : 50 Hz*
Input power P_i : 2.60/1.75 kW*
Rated current I_N : 5.00/3.00 A*
Rated speed n_N : 1330/1050 min⁻¹*
Starting current I_A : 19.00 / 6.00 A
Current increase ΔI : 5 %
Thermal class: **THCL155***
Min. permitted ambient temperature $t_{R(min)}$: -40 °C
Max. permitted ambient temperature $t_{R(max)}$: 60 °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} : 36.4 %
Efficiency: $N_{actual} = 40.2 / N_{target} = 40$ **
* Rated data
**ErP 2015

Characteristic curve



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

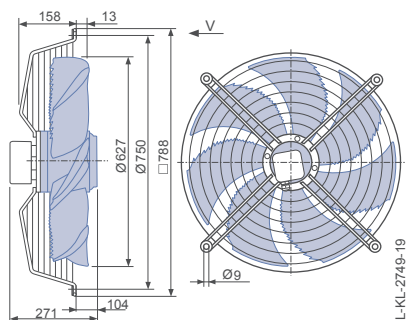
Connection diagram Page 531
1360-108XA

System components Page 430

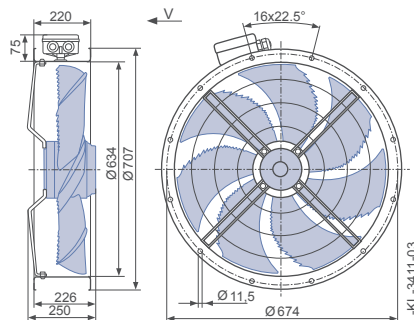
Dimensions mm

Airflow direction V

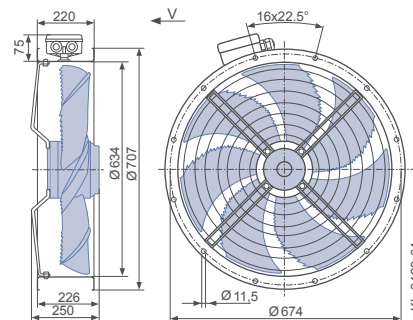
Design K - axial bolted, mounted for short bell mouth, guard grille pressure side



Design F - flange ring with two flanges, without guard grille



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



Performance data

Type	Connection	Characteristic curve	Voltage	Operating point	Current	Input power	Speed	Suction side sound power level
			U V		I A	P ₁ W	n min ⁻¹	L _{WA5} dB(A)
FN063-VD_6N_7P7	Δ	I	400	①	5.80	3300	1280	
			400*	②	5.00*	2600*	1330*	86
			400	③	4.20	2100	1380	82
	Y	II	400	④	3.30	2000	940	
			400*	⑤	3.00*	1750*	1050*	79
			400	⑥	2.50	1500	1140	77

*rated data

Fan ordering information

Airflow direction V				
Design	K (guard grille pressure side)	F (without guard grille)	F (guard grille pressure side)	Q (guard grille pressure side)
				
Type	FN063-VDK.6N.V7P7	FN063-VDF.6N.V7P7	FN063-VDF.6N.V7P7	FN063-VDQ.6N.V7P7
Article no.	169699	169701	169702	169700
Weight kg	31.10	35.10	35.90	41.20

Control technology

Frequency inverters Fcontrol 3~	Motor protection units 3~	Electronic voltage controllers 3~
		
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Design Q - square full bell mouth, guard grille pressure side

