

FE2owlet

for three phase alternating current, 4-4 pole

FNO56-VD



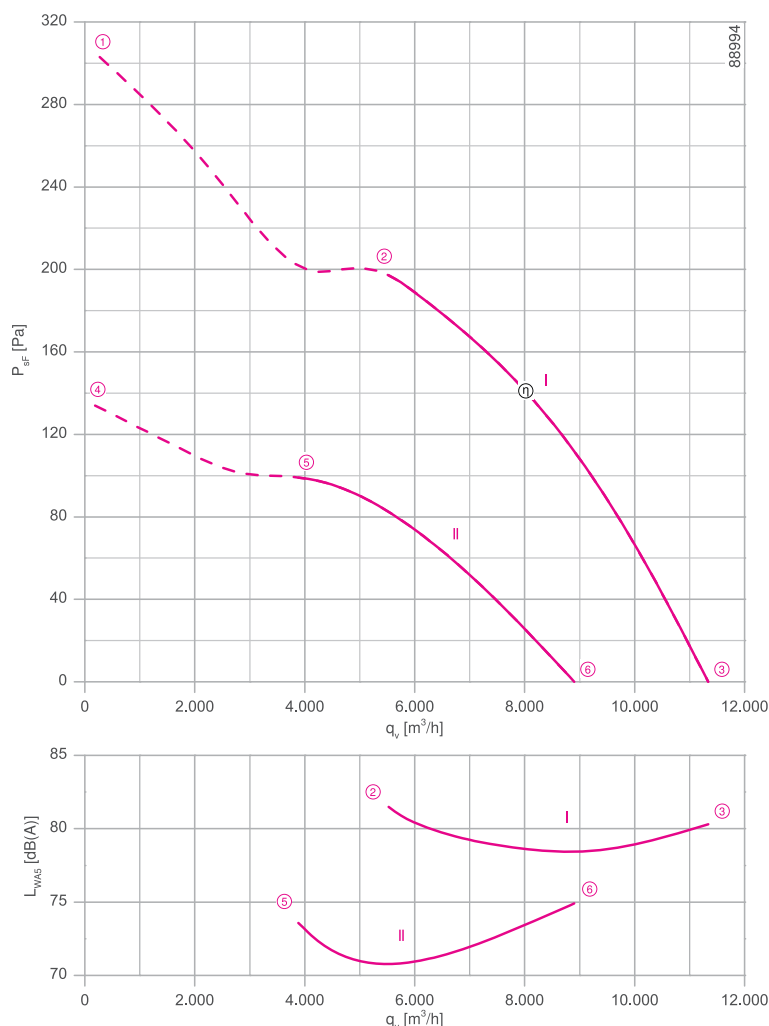
Description

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 : 1.05/0.58 kW*
Rated current I_N : 2.20/1.10 A*
Rated speed n_N : 1280/910 min⁻¹*
Starting current I_A : 6.50 / 1.90 A
Current increase ΔI : 0 %
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} : 33.7 %
Efficiency: $N_{actual} = 40.1 / N_{target} = 40$ **
* Rated data
**ErP 2015

Characteristic curve



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

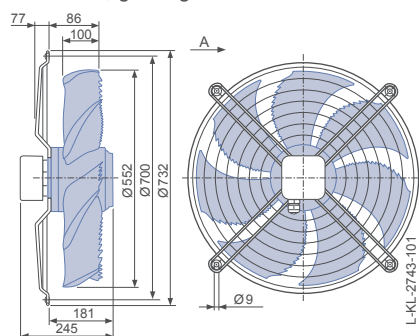
Connection diagram Page 531
for airflow direction A 1360-108XB
for airflow direction V 1360-108XA

System components Page 430

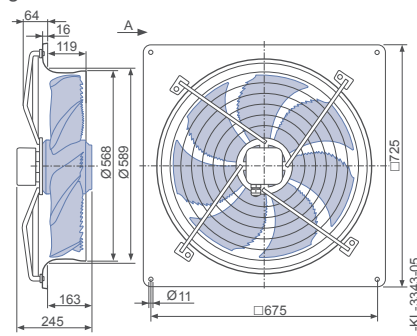
Dimensions mm

Airflow direction A

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

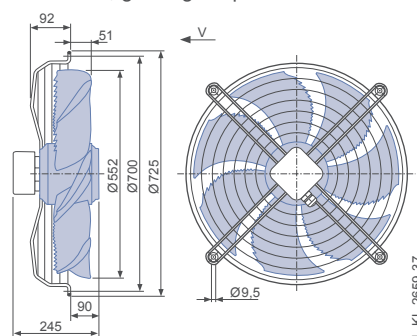


Design Q - square full bell mouth, guard grille suction side



Airflow direction V

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



Performance data

Type	Connection	Characteristic curve	Voltage	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)
FN056-VD_4M_7P2	Δ	I	400	①	2.60	1300	1190	
			400*	②	2.20*	1050*	1280*	82
			400	③	1.75	740	1370	80
	Y	II	400	④	1.20	640	790	
			400*	⑤	1.10*	580*	910*	73
			400	⑥	0.94	480	1080	75

*rated data

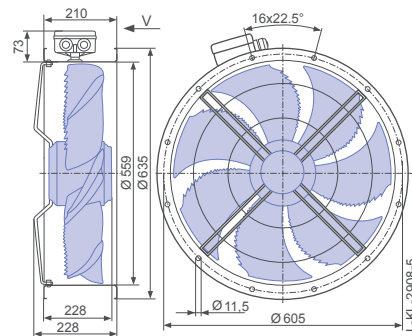
Fan ordering information

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	FN056-VDW.4M.A7P2	FN056-VDQ.4M.A7P2	FN056-VDK.4M.V7P2	FN056-VDF.4M.V7P2	FN056-VDF.4M.V7P2	FN056-VDQ.4M.V7P2
Article no.	159439	159441	159443	159447	159446	159445
Weight kg	16.10	24.20	15.40	20.40	21.30	23.20

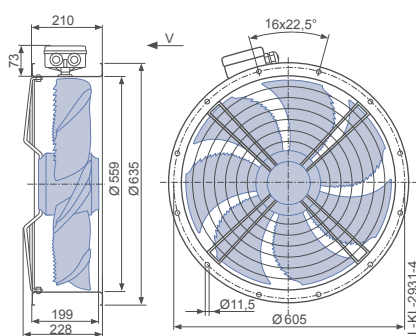
Control technology

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

