

FE 2 owlet

for three phase alternating current, 6-6 pole

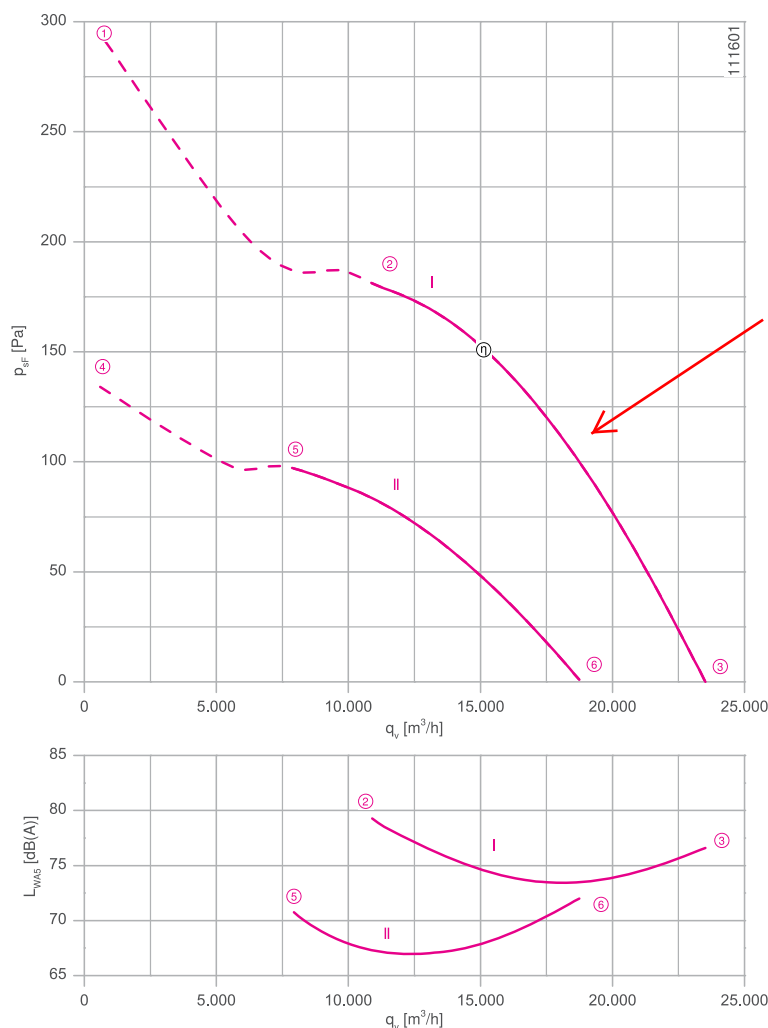
F N 0 8 0 - S D



Description

Motor technology: AC
Rated voltage U_N : 3~ 400 V (Δ/Y) $\pm 10\%$ *
Rated frequency f_N : 50 Hz*
Input power P_i : 1.90/1.10 kW*
Rated current I_N : 3.90/2.00 A*
Rated speed n_N : 870/ 630 min⁻¹*
Starting current I_A : 11.00 / 3.40 A
Current increase ΔI : 0 %
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} : 36.3 %
Efficiency: $N_{actual} = 41.0 / N_{target} = 40^{**}$
* Rated data
**ErP 2015

Characteristic curve



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

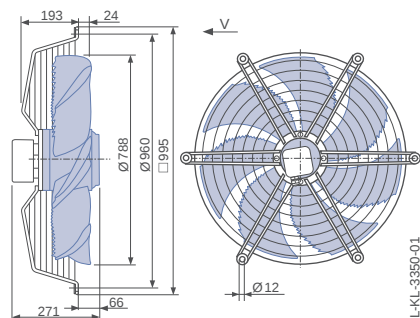
Connection diagram Page 531
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System components Page 430

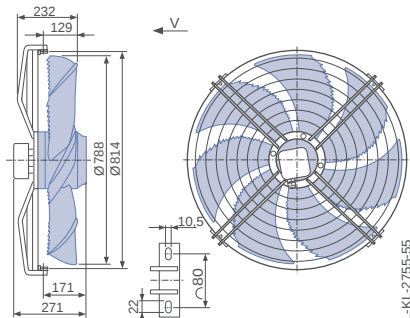
Dimensions mm

Airflow direction V

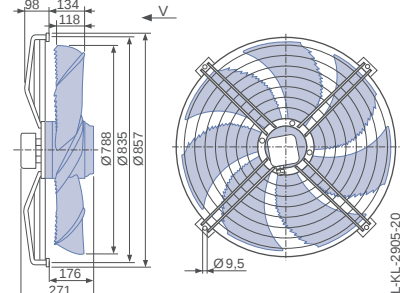
Design K - axial bolted, mounted for short bell mouth, guard grille pressure side



Design S - radially bolted, mounted for short bell mouth, guard grille pressure side



Design I - axial bolted, mounting for bell mouth flange, guard grille pressure side

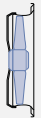


Performance data

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 _i W	n min ⁻¹	
FN080-SD_6N.V7P5	Δ	I	400	①	4.60	2400	810	
			400*	②	3.90*	1900*	870*	80
			400	③	3.10	1350	920	77
	Y	II	400	④	2.20	1200	550	
			400*	⑤	2.00*	1100*	630*	71
			400	⑥	1.70	900	740	72

*rated data

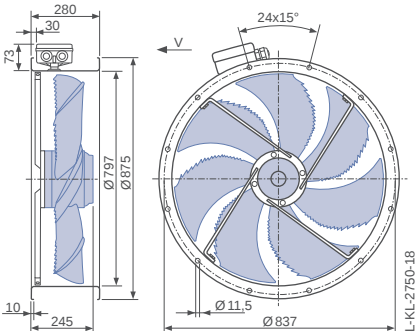
Fan ordering information

Airflow direction V					
Design	K (guard grille pressure side)	S (guard grille pressure side)	I (guard grille pressure side)	F (without guard grille)	Q (guard grille pressure side)
					
Type	FN080-SDK.6N.V7P5	FN080-SDS.6N.V7P5	FN080-SDI.6N.V7P5	FN080-SDF.6N.V7P5	FN080-SDQ.6N.V7P5
Article no.	168788	168787	168785	168789	168786
Weight kg	37.90	33.70	33.60	45.80	42.60

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 Q - square full bell mouth, guard grille pressure side

