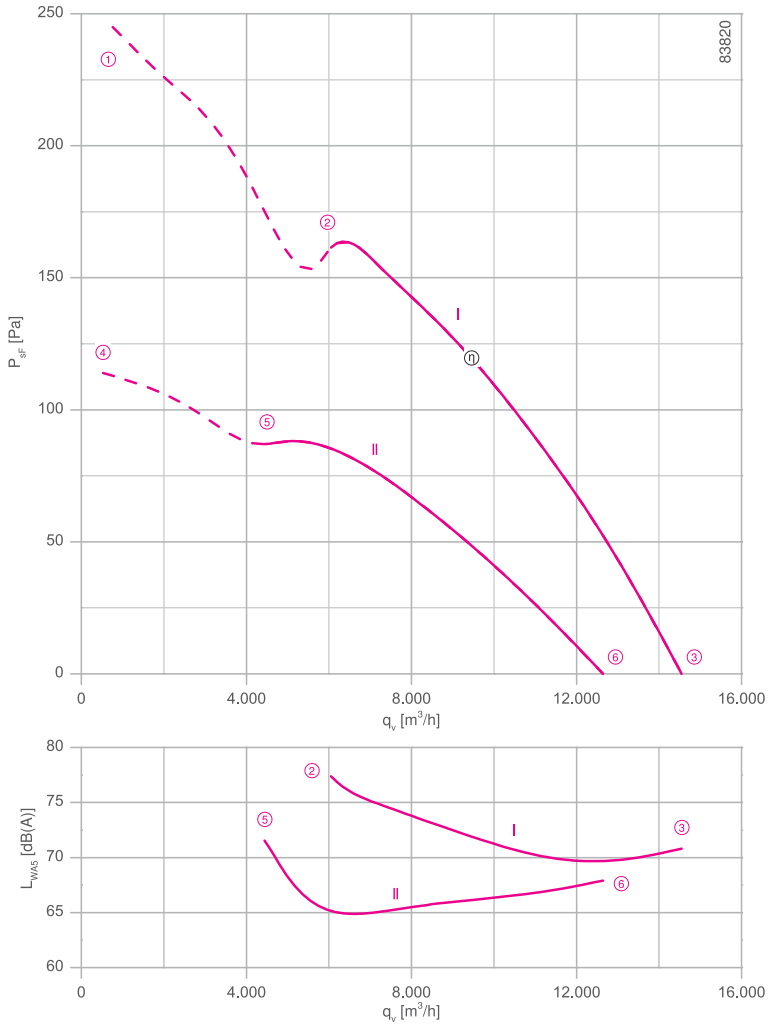
FE2owlet

for three phase alternating current, 6-6 pole

FN071-SD

Characteristic curve



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

Description

Motor technology: AC
Rated voltage U_N: **3~ 400 V (Δ/Y) ±10 %***
Rated frequency f_N: **50 Hz***
Input power P_1: **0.94/0.62 kW***
Rated current I_N: **1.70/1.05 A***
Rated speed n_N: **900/ 690 min^{-1}***
Starting current I_A: 6.00 / 1.80 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}: 38.1 %
Efficiency: N_{actual} = 44.9 / N_{target} = 40**
* Rated data
**ErP 2015
*** Continuous operation with occasional starts (S1) according to DIN EN 60034-1:2011-02. Occasional starting between -40 °C and -25 °C is permissible. Continuous operation below -25 °C only with special bearings for refrigeration applications on request.

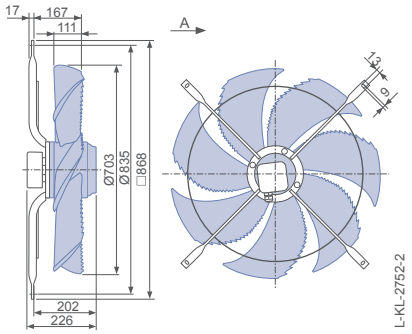
Connection diagram Page 531
for airflow direction A 1360-108XB
for airflow direction V 1360-108XA

System components Page 430

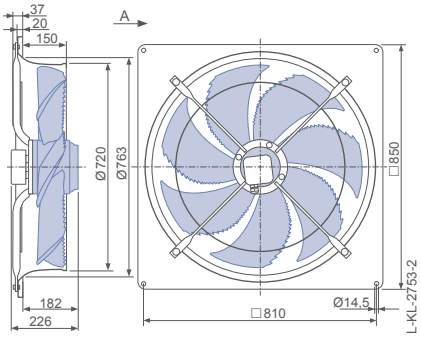
Dimensions mm

Airflow direction A

Design D - axial bolted, suspension for full bell mouth, without guard grille

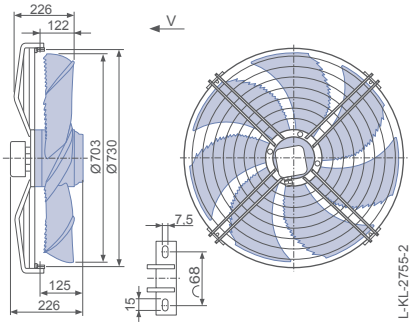


Design Q - square full bell mouth, without guard grille



Airflow direction V

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



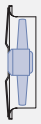
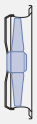
Performance data

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)
FN071-SD_.6F._7P1	Δ	I	400	①	2.10	1200	850	
			400*	②	**1.70***	**940***	**900***	78
			400	③	1.25	560	940	71
	Y	II	400	④	1.25	700	580	
			400*	⑤	**1.05***	**620***	**690***	69
			400	⑥	0.77	450	820	68

*rated data

Fan ordering information

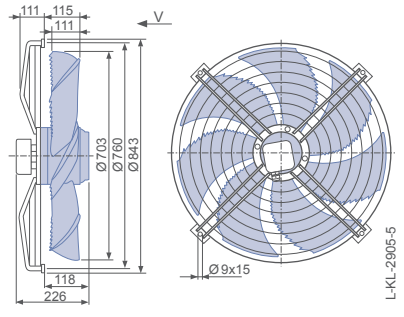
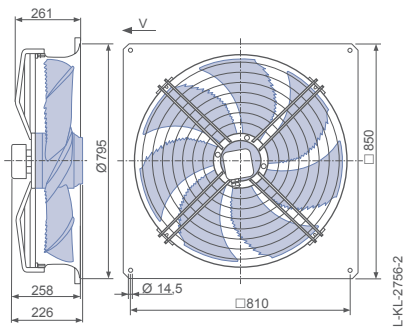
Airflow direction A | **Airflow direction V**

Design	D (without guard grille)	Q (without guard grille)	S (guard grille pressure side)	I (guard grille pressure side)	Q (guard grille pressure side)
					
Type	**FN071-SDD.6F.A7P1**	**FN071-SDQ.6F.A7P1**	**FN071-SDS.6F.V7P1**	**FN071-SDI.6F.V7P1**	**FN071-SDQ.6F.V7P1**
Article no.	**141748**	**141749**	**141783**	**153791**	**141778**
Weight kg	20.50	31.50	23.40	23.40	34.30

Control technology

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

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



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