for three phase alternating current, 4-4 pole

FN042-VD

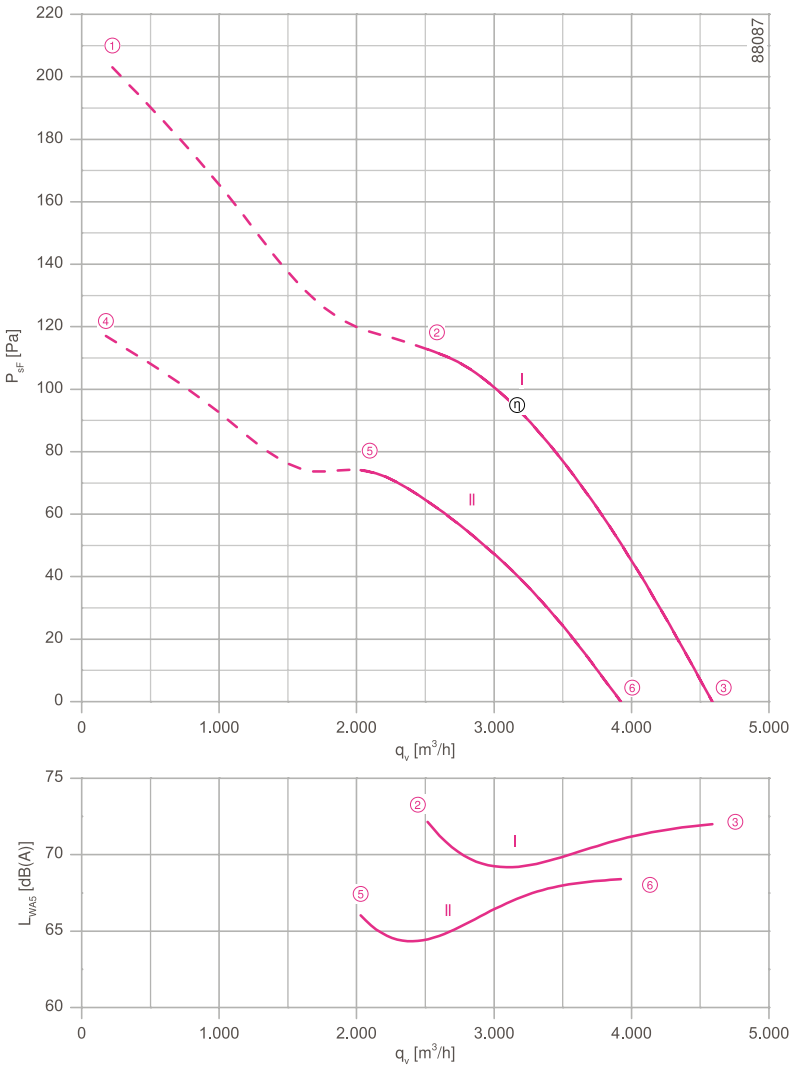
Description

Motor technology: AC
Rated voltage U_N: **3~ 400 V (Δ/Y) ±10 %***
Rated frequency f_N: **50 Hz*** (60Hz data available)
Motor input power P_1: **0.28/0.19 kW***
Rated current I_N: **0.58/0.31 A***
Rated speed n_N: **1340/1080 min^{-1}***
Starting current I_A: 1.90 A / 0.65 A
Current increase ΔI: 0 %
Thermal class: **THCL155***
Min. permitted conveyor temperature $t_{R(min)}$: -40 °C
Max. permitted conveyor temperature $t_{R(max)}$: 70 °C
Electrical connection: Terminal box
Number of blades: 7
Protection class: IP44
Motor protection: Thermal contact
Blades: High Performance Composite Material, uncoated, black
Rotor: Aluminium, 1 coat paint, black
Conformity: ErP 2015, CE
ErP Data
Efficiency η_{statA}: 31.3 %
Efficiency: N_{actual} = 41.2 / N_{target} = 40**
* Rated data
**ErP 2015

Connection diagrams Page 608
for airflow direction V 1360-108XA
for airflow direction A 1360-108XB

System components Page 524

Characteristic curve

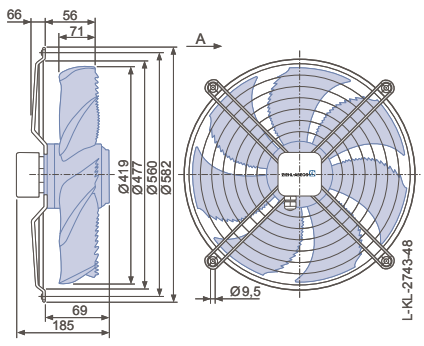


Measured in full bell mouth without guard grille in installation type A according to ISO 5801.

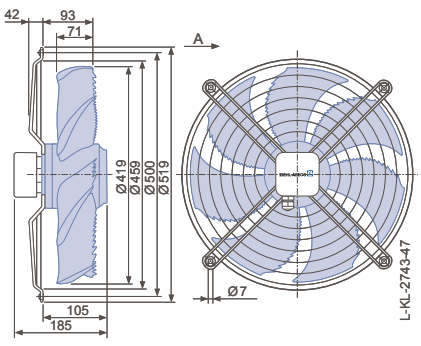
Dimensions [mm]

Airflow direction A

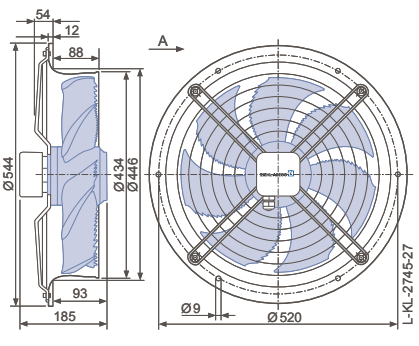
Design W - axial bolted, mounting for short bell mouth E



Design D - axial bolted, suspension for full bell mouth Q and L



Design L - round, full bell mouth

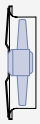


		curve	U [V]	point	I [A]	power P_1 [W]	n [min⁻¹]	sound power level L_{WA5} [dB]
FN042-VD_.2F._7P1	Δ	I	400	①	0.64	350	1290	
			400*	②	**0.58***	**280***	**1340***	72
			400	③	0.52	220	1380	72
	Y	II	400	④	0.36	220	980	
			400*	⑤	**0.31***	**190***	**1080***	66
			400	⑥	0.26	160	1190	68

*rated data

Fan ordering information

Airflow direction A → **Airflow direction V**

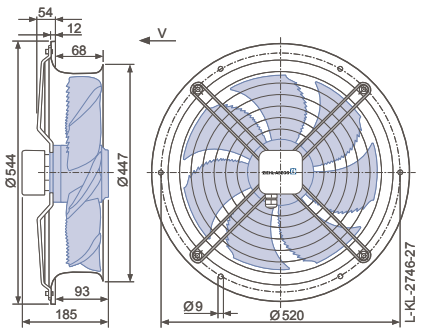
Design	W	D	L	H	I
					
Type	**FN042-VDW.2F.A7P1**	**FN042-VDD.2F.A7P1**	**FN042-VDL.2F.A7P1**	**FN042-VDH.2F.V7P1**	**FN042-VDI.2F.V7P1**
Article no.	**155773**	**155771**	**155772**	**155776**	**155775**
Weight [kg]	6.20	5.90	8.50	8.20	5.90

Control technology

Frequency inverter Fcontrol 3~	Motor protection units 3~	Transformer-based controllers 3~	Electronic voltage controllers 3~
			
Page 558	Page 596	Page 591	Page 578

Airflow direction V

Design H - pipe sockets with a flange



Design I - axial bolted, mounting for bell mouth flange for pipe socket H or full bell mouth Q or L