



Description

Motor technology: AC

Rated voltage U_N : 3~400 V (Δ/Y) $\pm 10\%$ *

Rated frequency f_N : **50 Hz*** (60Hz data available)

Motor input power P_1 : 0.13/0.08 kW*

Rated current I_N : **0.35/0.15 A***

Rated speed n_N : 920/ 780 min⁻¹*

Starting current I_A : 0.85 A / 0.26 A

Current increase ΔI : 0 %

Thermal class: **THCL155***

Min. permitted conveyor temperature $t_{B(min)}$: -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

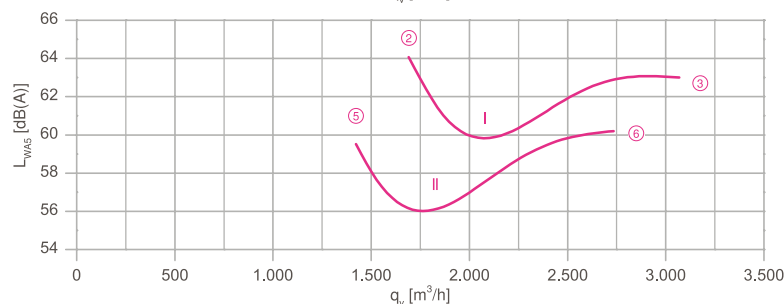
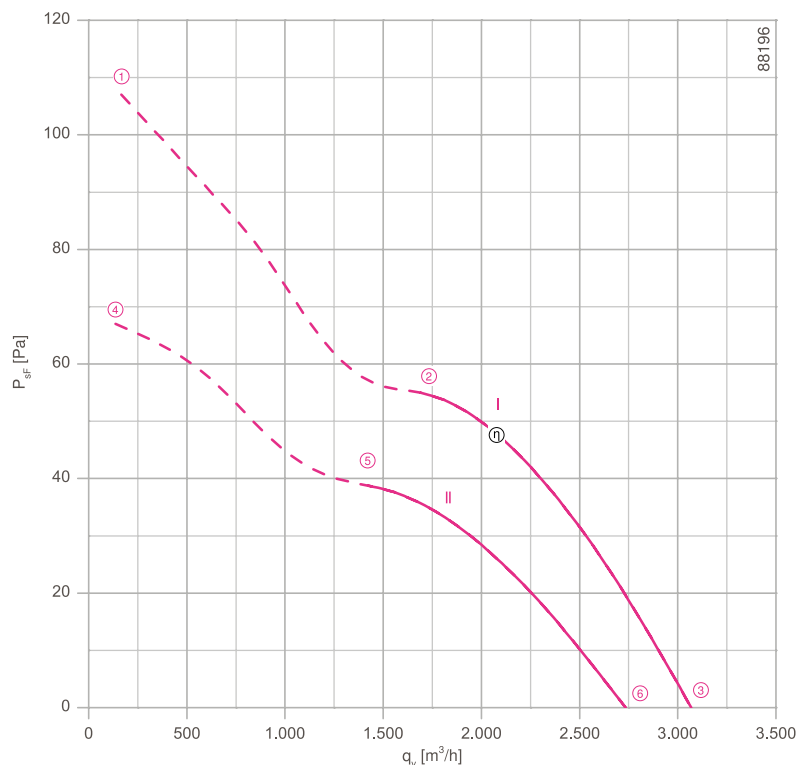
Conformity: CE

ErP Data

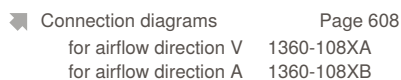
Is not subject to the ErP Guidelines ($P_1 < 125 \text{ W}$)

* Rated data

Characteristic curve



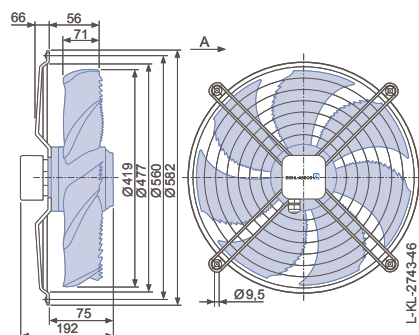
Measured in full bell mouth without guard grille in installation type A according to ISO 5801.



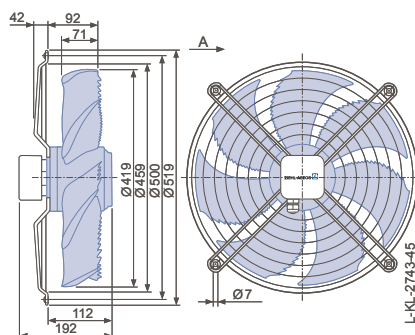
Dimensions [mm]

Airflow direction A

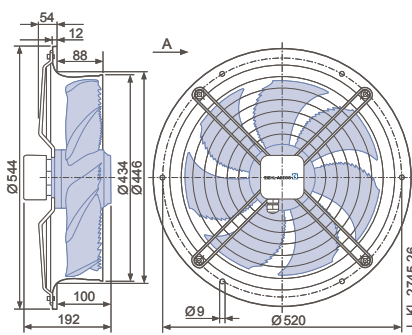
Design W - axial bolted, mounting for short bell mouth E



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-SD_2C_7P1	Δ	I	400	①	0.37	150	890	
			400*	②	0.35*	130*	920*	64
			400	③	0.35	100	940	63
	Y	II	400	④	0.17	90	700	
			400*	⑤	0.15*	75*	780*	60
			400	⑥	0.13	60	850	60

*rated data

Fan ordering information

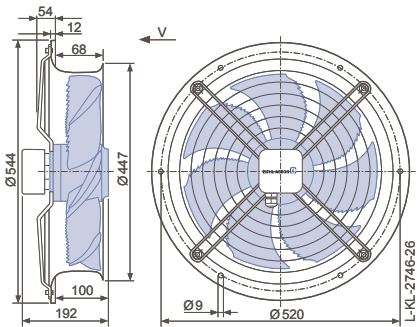
Airflow direction A						Airflow direction V					
Design	W	D	L	H	I	Design	W	D	L	H	I
											
Type	FN042-SDW.2C.A7P1	FN042-SDD.2C.A7P1	FN042-SDL.2C.A7P1	FN042-SDH.2C.V7P1	FN042-SDI.2C.V7P1						
Article no.	155787	155785	155786	155790	155789						
Weight [kg]	5.50	5.10	7.80	7.50	5.10						

Control technology

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

