

for single phase alternating current, 6 pole

FNO42-6E



Description

Motor technology: AC

Rated voltage U_N : 1~230 V $\pm$ 10 %*

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

Motor input power P_1 : **0.14 kW***

Rated current I_N : **0.62 A***

Rated speed n_N : **940 min⁻¹***

Current increase ΔI : 0 %

Service capacitor C_{400V} : $5.0 \mu F$

Thermal class: **THCL155***

Min. permitted conveyor temperature $t_{B(min)}$: -25 °C

Max. permitted conveyor temperature $t_{R(max)}$: 70 °C

Electrical connection: Terminal box

Number of blades: 7

Protection class: IP54

Motor protection: Thermal contact
Blades: High Performance Composite Material, uncoated,
black

Rotor: Aluminium, 1 coat paint, black

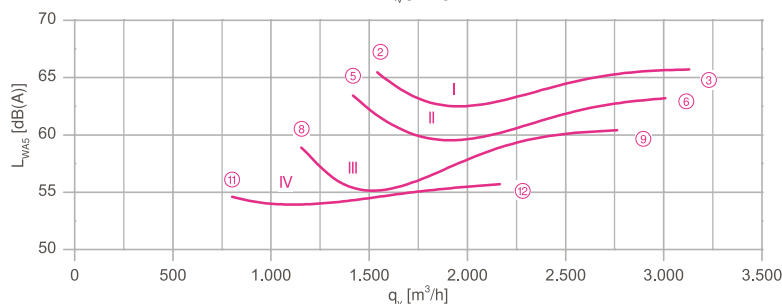
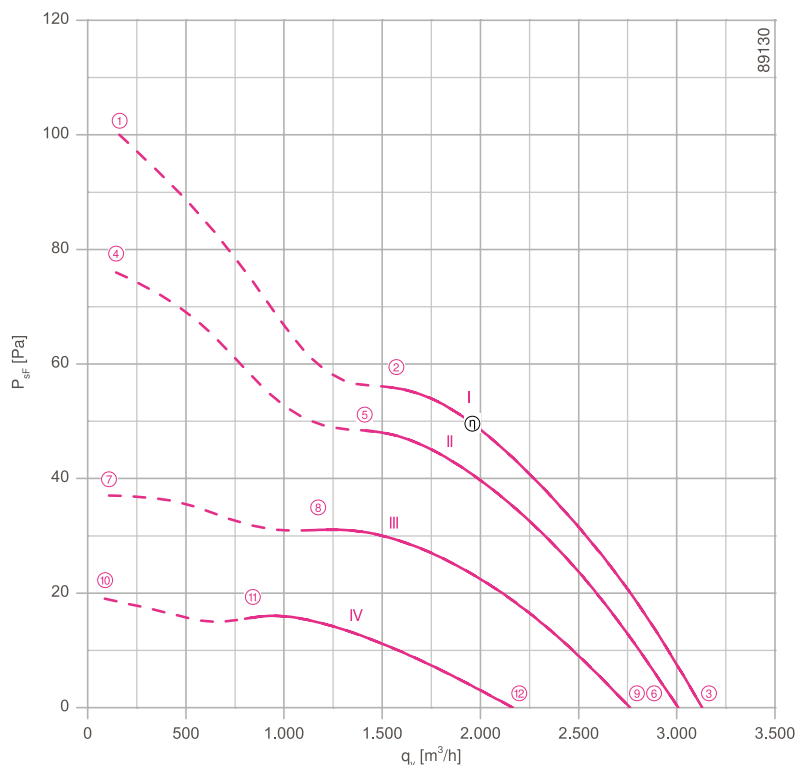
Conformity: CE

ErP Data

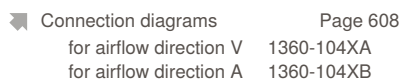
Is not subject to the ErP Guidelines ($P_1 < 125 \text{ W}$)

* Rated data

Characteristic curve



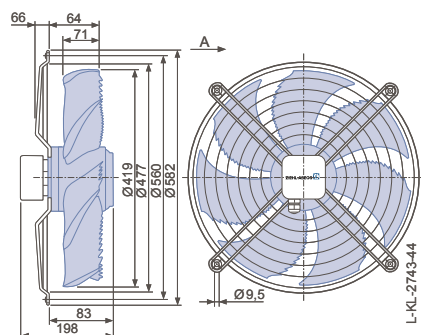
Measured in full bell mouth without guard grille in installation type A according to ISO 5801.



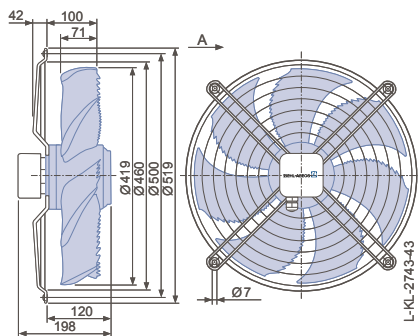
Dimensions [mm]

Airflow direction A

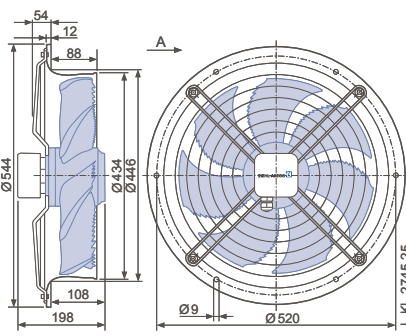
Design W - axial bolted, mounting for short bell mouth E



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



Design L - round, full bell mouth



	curve	U		I	power P ₁	n	power level
		[V]		[A]	[W]	[min ⁻¹]	L _{WA5} [dB]
FN042-6E_OF_7P1	I	230	①	0.68	150	910	
		230*	②	0.62*	140*	940*	66
		230	③	0.56	130	950	66
	II	170	④	0.66	110	800	
		170	⑤	0.56	95	870	63
		170	⑥	0.48	80	920	63
	III	135	⑦	0.62	85	560	
		135	⑧	0.58	75	700	59
		135	⑨	0.48	65	850	60
	IV	110	⑩	0.54	55	400	
		110	⑪	0.52	55	490	55
		110	⑫	0.48	55	670	56

*rated data

Fan ordering information

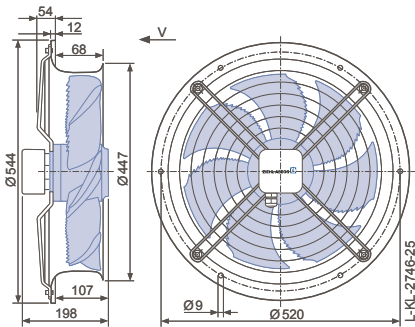
Airflow direction A					Airflow direction V				
Design	W	D	L	H	I				
									
Type	FN042-6EW.0F.A7P1	FN042-6ED.0F.A7P1	FN042-6EL.0F.A7P1	FN042-6EH.0F.V7P1	FN042-6EI.0F.V7P1				
Article no.	155780	155778	155779	155783	155782				
Weight [kg]	5.70	5.30	8.00	7.70	5.30				

Control technology

Frequency inverter Fcontrol 1~  Page 552	Motor protection units 1~  Page 596	Transformer-based controllers 1~  Page 587	Electronic voltage controllers 1~  Page 562
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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

