

for single phase alternating current, 6 pole

FN045-6E



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 : 0.12 kW*

Rated current I_N : **0.50 A***

Rated speed n_N : 700 min⁻¹*

Current increase ΔI : 0 %

Service capacitor C_{400V} : 3.0

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: IP44

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

Rotor: Aluminium, 1 coat paint, black

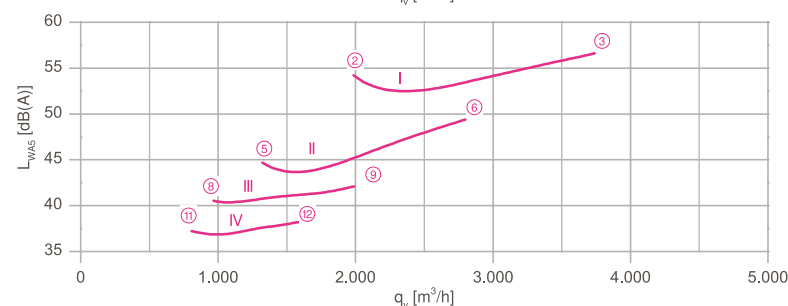
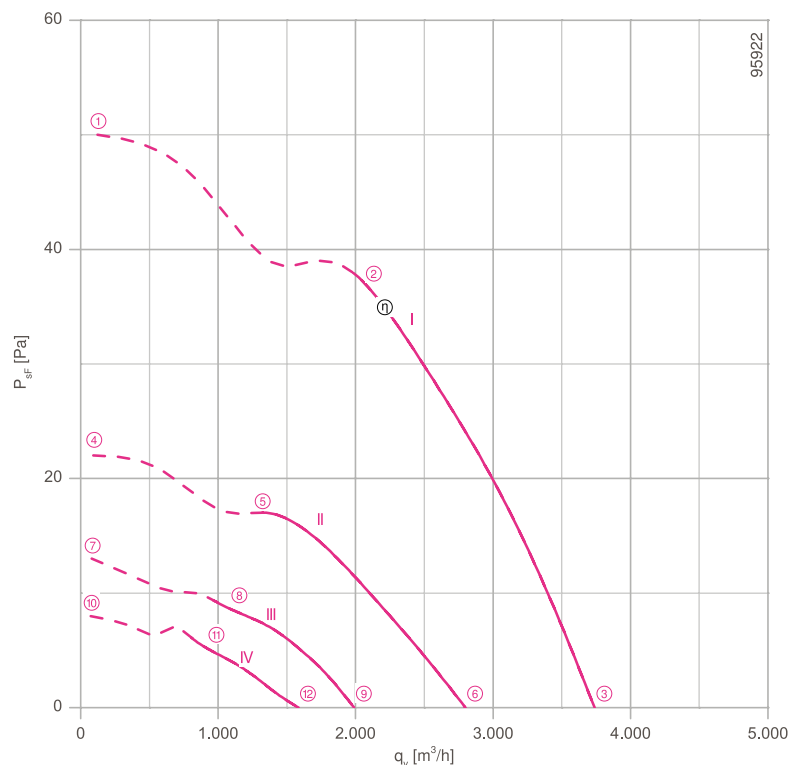
Conformity: CE

ErP Data

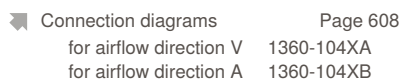
Is not subject to the ErP Guidelines ($P_1 < 125 \text{ W}$)

* Rated data

Characteristic curve



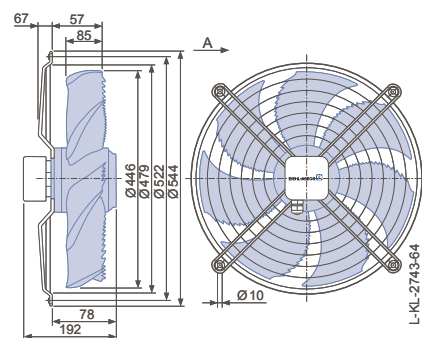
Measured in full bell mouth without guard grille in installation type A according to ISO 5801.



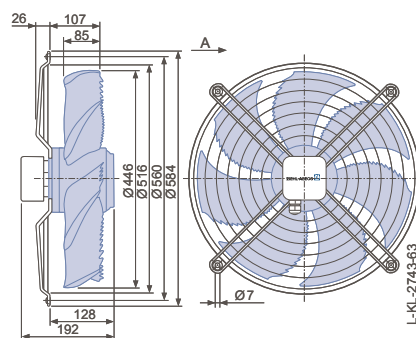
Dimensions [mm]

Airflow direction A

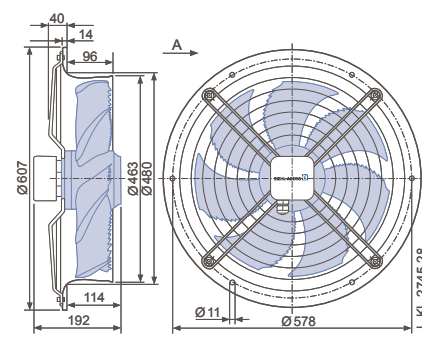
Design W - axial bolted, mounting for short bell mouth E



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



Design L - round, full bell mouth



	curve	U		I	power	n	power level
		[V]		[A]	P ₁ [W]	[min ⁻¹]	L _{WA5} [dB]
FN045-6E_2F_7P3	I	230	①	0.56	130	570	
		230*	②	0.50*	120*	700*	54
		230	③	0.46	100	790	57
	II	170	④	0.44	75	380	
		170	⑤	0.42	75	480	45
		170	⑥	0.40	70	590	49
	III	135	⑦	0.35	48	280	
		135	⑧	0.35	46	350	40
		135	⑨	0.34	46	430	42
	IV	110	⑩	0.29	32	220	
		110	⑪	0.29	32	270	37
		110	⑫	0.29	32	330	38

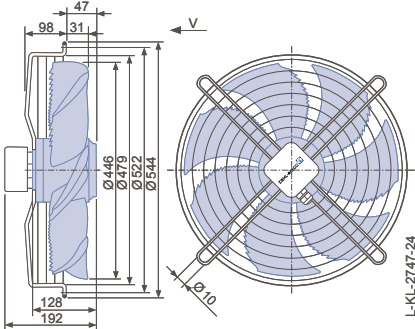
*rated data

Fan ordering information

Airflow direction A				Airflow direction V		
Design	W	D	L	K	Q	S
						
Type	FN045-6EW.2F.A7P3	FN045-6ED.2F.A7P3	FN045-6EL.2F.A7P3	FN045-6EK.2F.V7P3	FN045-6EQ.2F.V7P3	FN045-6EH.2F.V7P3
Article no.	160038	160036	160037	160042	160043	160041
Weight [kg]	6.30	6.10	9.50	6.50	10.30	9.50

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 K - axial bolted, mounted for short bell mouth E 	Design Q - square, full bell mouth 	Design S - radially bolted, mounting for full bell mouth Q and L 