

for single phase alternating current, 4 pole

FNO42-4E



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_i : 0.32 kW*

Rated current I_N : **1.45 A***

Rated speed n_N : **1340 min⁻¹***

Current increase ΔI : 15 %

Service capacitor C_{400V} : $6.0 \mu F$

Thermal class: **THCL155***

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

Max. permitted conveyor temperature $t_{R(max)}$: 55 °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 2013, CE

ErP Data

Efficiency η_{statA} : 26.7 %

Efficiency: $N_{\text{actual}} = 36.6 / N_{\text{target}} = 36^{**}$

* Rated data

ErP 2013

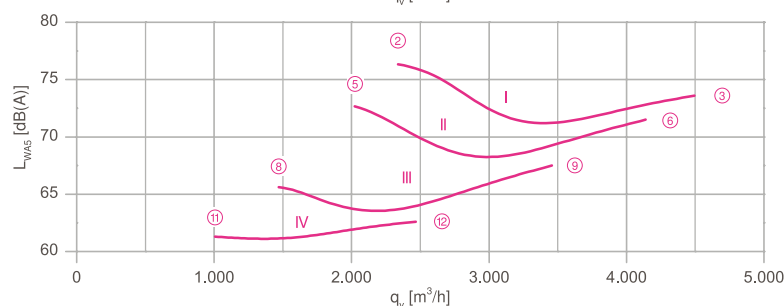
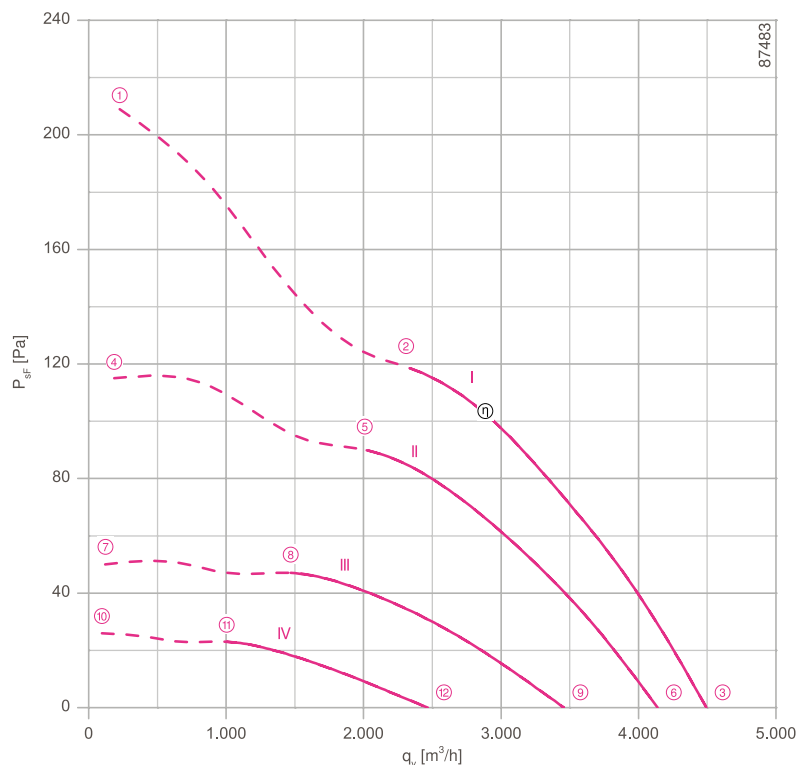
Connection diagrams

for airflow direction V 1360-104XA

for airflow direction A 1360-104XB

System components Page 524

Characteristic curve

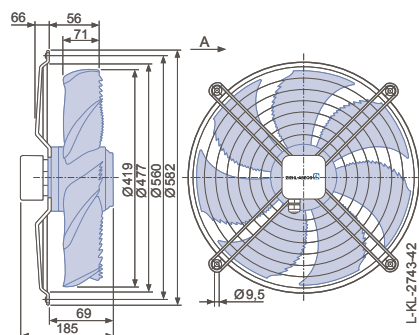


Measured in full bell mouth without guard grille in installation type A according to ISO 5801.

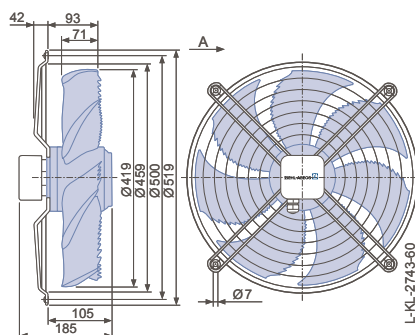
Dimensions [mm]

Airflow direction A

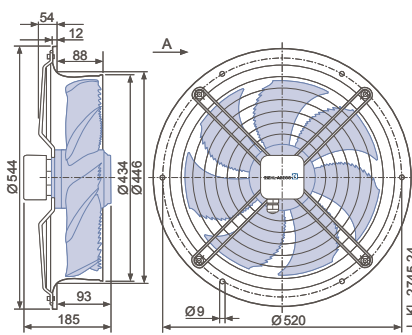
Design W - axial bolted, mounting for short bell mouth E



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



Design L - round, full bell mouth



	curve	U		I	power P ₁	n	power level
		[V]		[A]	[W]	[min ⁻¹]	L _{WA5} [dB]
FN042-4E_2F_7P1	I	230	①	1.80	400	1270	
		230*	②	1.45*	320*	1340*	76
		230	③	1.25	260	1390	74
	II	170	④	2.00	330	940	
		170	⑤	1.60	270	1160	73
		170	⑥	1.25	210	1280	72
	III	135	⑦	1.85	240	620	
		135	⑧	1.70	220	840	66
		135	⑨	1.45	190	1080	68
	IV	110	⑩	1.55	160	450	
		110	⑪	1.50	160	590	61
		110	⑫	1.45	150	770	63

*rated data

Fan ordering information

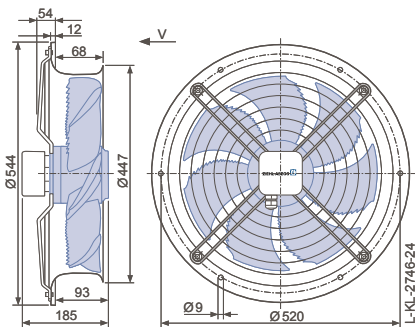
Airflow direction A					Airflow direction V
Design	W	D	L	H	I
					
Type	FN042-4EW.2F.A7P1	FN042-4ED.2F.A7P1	FN042-4EL.2F.A7P1	FN042-4EH.2F.V7P1	FN042-4EI.2F.V7P1
Article no.	155766	155764	155765	155769	155768
Weight [kg]	6.20	5.90	8.50	8.20	5.90

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

