

for three phase alternating current, 4-4 pole

FNO40-VD



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 : 0.23/0.17 kW*

Rated current I_N : **0.46/0.27 A***

Rated speed n_N : **1360/1080 min⁻¹***

Starting current I_A : 1.60 A / 0.55 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: IP54

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} : 32.4 %

Efficiency: $N_{\text{actual}} = 42.7 / N_{\text{target}} = 40^{**}$

* Rated data

**ErP 2015

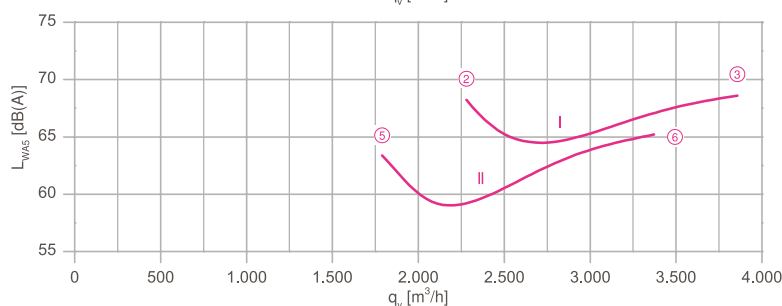
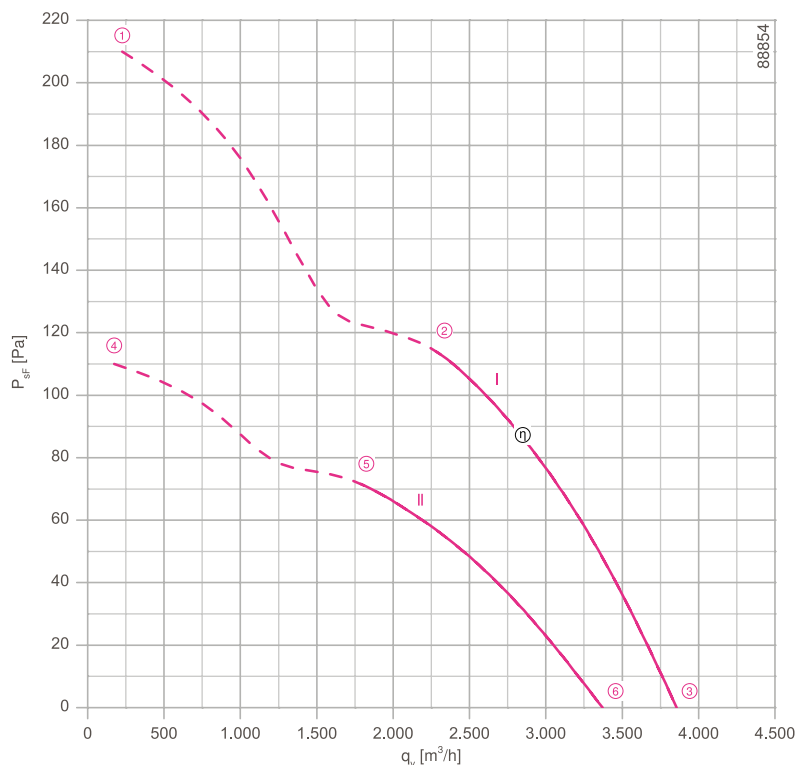
Connection diagrams

for airflow direction V 1360-108XA

for airflow direction A 1360-108XB

System components Page 524

Characteristic curve

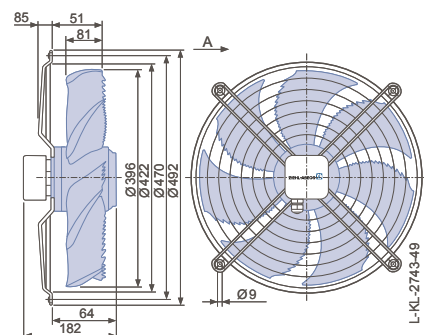


Measured in full bell mouth without guard grille in installation type A according to ISO 5801.

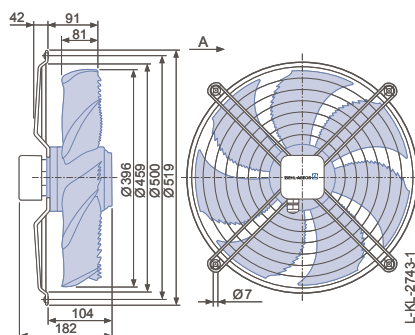
Dimensions [mm]

Airflow direction A

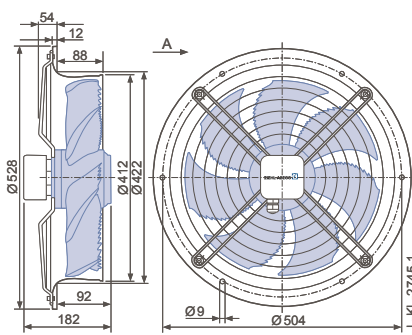
Design W - axial bolted, mounting for short bell mouth E



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]
FN040-VD_0F_7P1	Δ	I	400	①	0.54	300	1310	
			400*	②	0.46*	230*	1360*	69
			400	③	0.40	170	1410	69
	Y	II	400	④	0.31	200	950	
			400*	⑤	0.27*	170*	1080*	64
			400	⑥	0.21	130	1230	65

*rated data

Fan ordering information

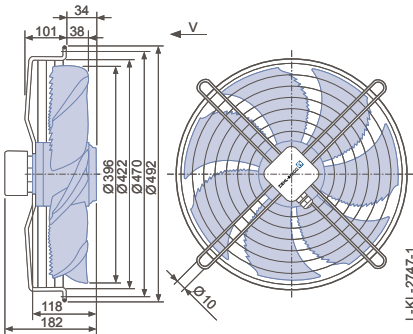
Airflow direction A				Airflow direction V		
Design	W	D	L	K	H	I
						
Type	FN040-VDW.0F.A7P1	FN040-VDD.0F.A7P1	FN040-VDL.0F.A7P1	FN040-VDK.0F.V7P1	FN040-VDH.0F.V7P1	FN040-VDI.0F.V7P1
Article no.	156642	152902	152903	152907	152906	152905
Weight [kg]	5.60	5.10	7.80	5.50	7.80	5.10

Control technology

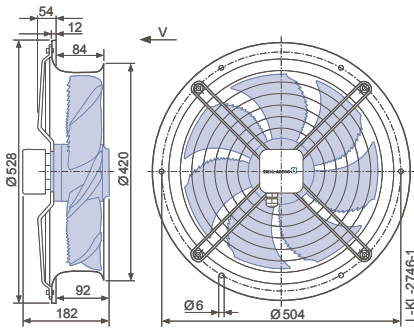
Frequency inverter Fcontrol 3~  Page 558	Motor protection units 3~  Page 596	Transformer-based controllers 3~  Page 591	Electronic voltage controllers 3~  Page 578
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Airflow direction V

Design K - axial bolted, mounted for short bell mouth E



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

