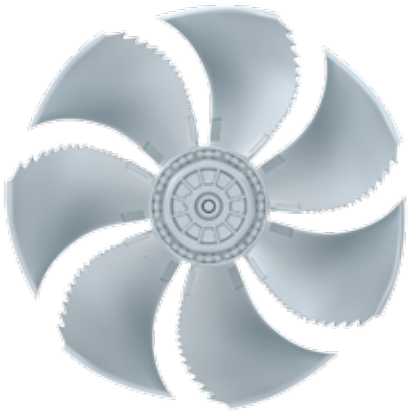
FE2owlet

for single phase alternating current, 4 pole

FN050-4E



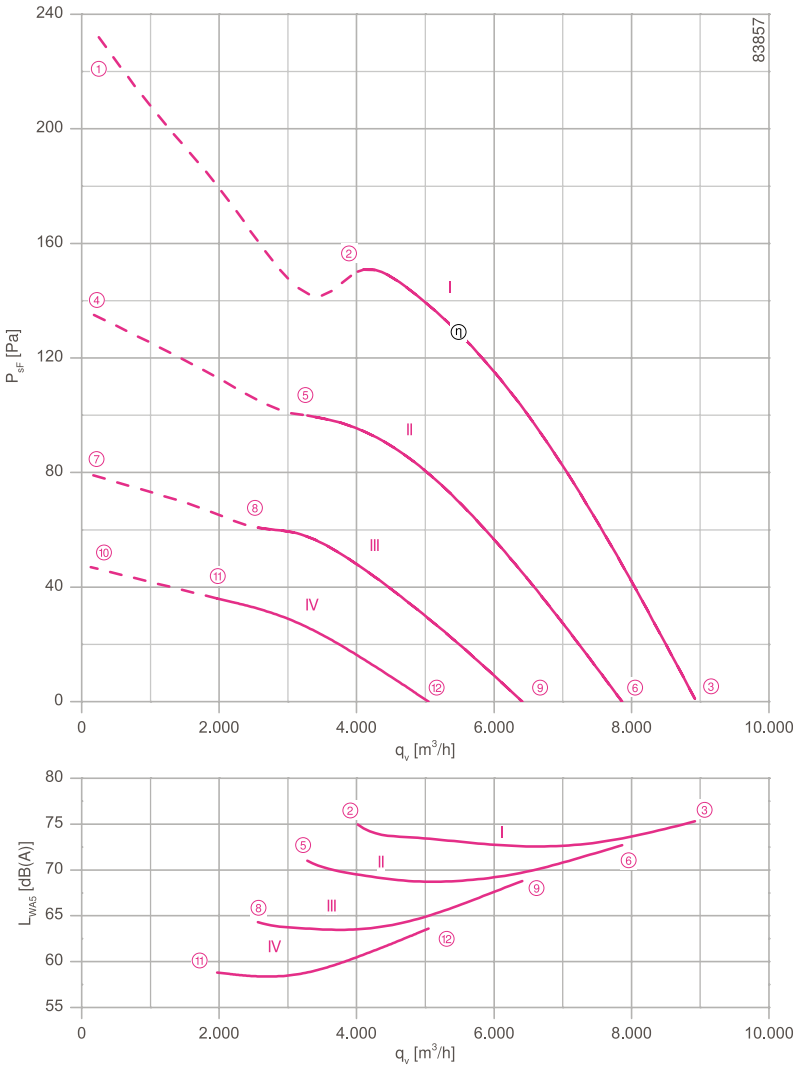
Description

Motor technology: AC
Rated voltage U_N: **1~ 230 V±10 %***
Rated frequency f_N: **50 Hz*** (60Hz data available)
Motor input power P_1: **0.76 kW***
Rated current I_N: **3.30 A***
Rated speed n_N: **1230 min^{-1}***
Starting current I_A: 6.50 A
Current increase ΔI: 5 %
Service capacitor C_{400V}: 16.0 µF
Thermal class: **THCL155***
Min. permitted conveyor temperature $t_{R(min)}$: -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: Aluminium, uncoated
Rotor: Aluminium, uncoated
Conformity: ErP 2013, CE
ErP Data
Efficiency η_{statA}: 28.9 %
Efficiency: N_{actual} = 36.3 / N_{target} = 36**
* Rated data
**ErP 2013

Connection diagrams Page 608
for airflow direction V 1360-104XA
for airflow direction A 1360-104XB

System components Page 524

Characteristic curve

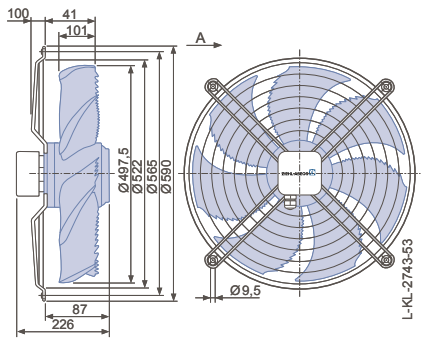


Measured in full bell mouth without guard grille in installation type A according to ISO 5801.

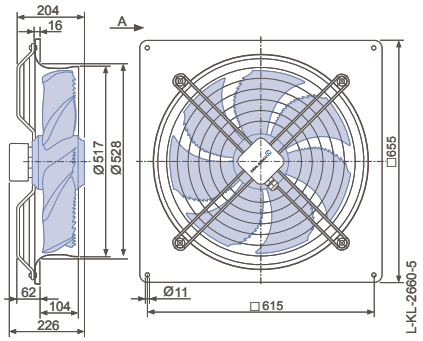
Dimensions [mm]

Airflow direction A

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

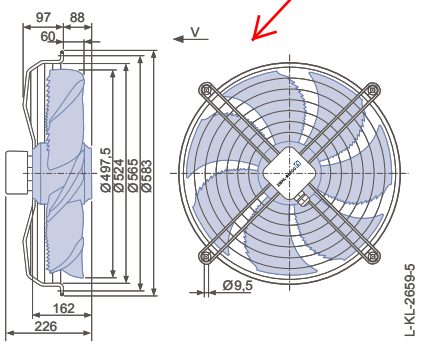


Design Q - square, full bell mouth



Airflow direction V

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



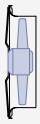
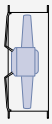
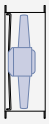
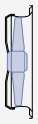
Performance data

Type	Characteristic curve	Voltage U [V]	Operating point	Current I [A]	Motor input power P_1 [W]	Speed n [min^{-1}]	Suction side sound power level L_{WA5} [dB]
FN050-4E_.4I._7P1	I	230	①	3.90	880	1150	
		230*	②	**3.30***	**760***	**1230***	75
		230	③	2.80	620	1310	75
	II	170	④	3.70	600	870	
		170	⑤	3.40	560	1010	71
		170	⑥	2.90	480	1160	73
	III	135	⑦	3.30	420	670	
		135	⑧	3.20	400	790	64
		135	⑨	2.80	370	950	69
	IV	110	⑩	2.70	280	520	
		110	⑪	2.70	280	600	59
		110	⑫	2.60	270	750	64

*rated data

Fan ordering information

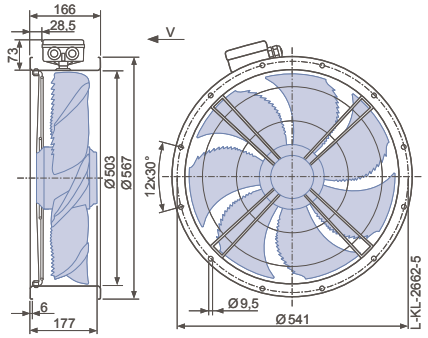
Airflow direction A → Airflow direction V

Design	W	Q	K	F (without contact protection)	F (with contact protection)	Q
						
Type	**FN050-4EW.4I.A7P1**	**FN050-4EQ.4I.A7P1**	**FN050-4EK.4I.V7P1**	**FN050-4EF.4I.V7P1**	**FN050-4EF.4I.V7P1**	**FN050-4EQ.4I.V7P1**
Article no.	**156548**	**140084**	**140057**	**140068**	**140074**	**140062**
Weight [kg]	13.80	20.10	13.30	16.80	17.50	17.80

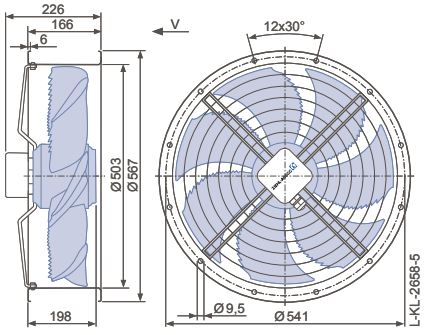
Control technology

Frequency inverter Fcontrol 1~	Motor protection units 1~	Transformer-based controllers 1~	Electronic voltage controllers 1~
			
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Design F - flange ring with two flanges without guard grille



Design F - flange ring with two flanges and guard grille



Design Q - square, full bell mouth

