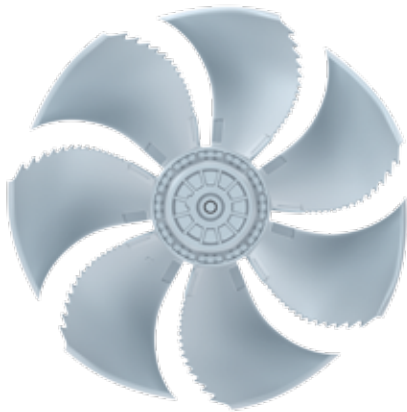


FE2owlet

for single phase alternating current, 4 pole

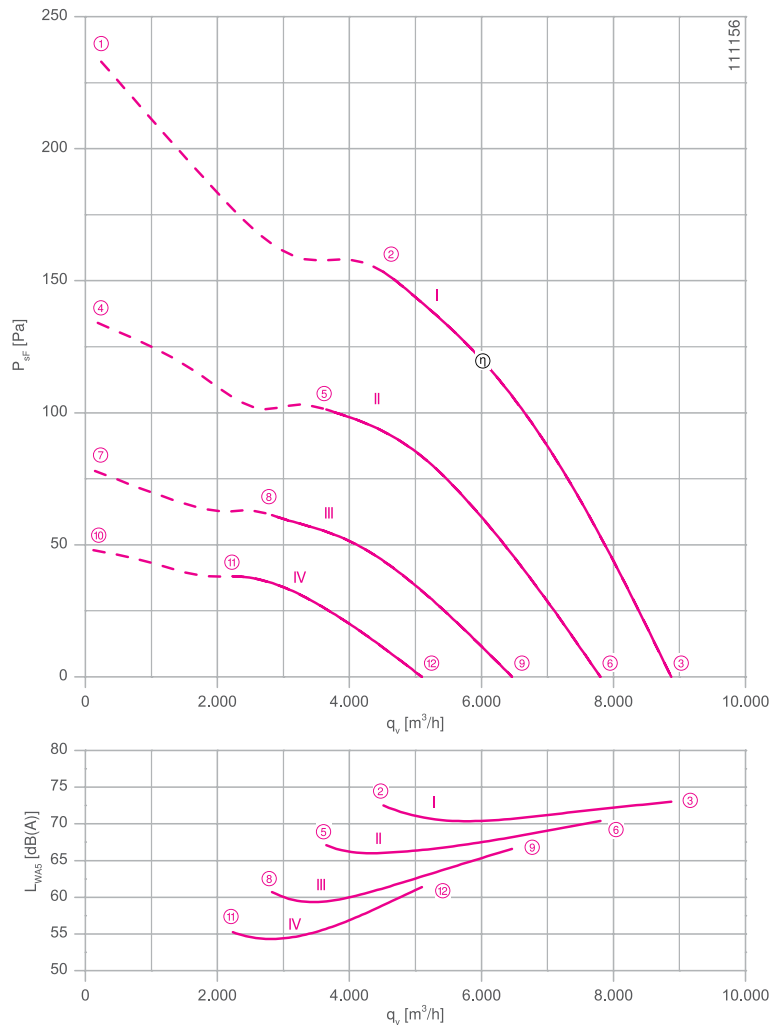
FN050-4E



Description

Motor technology: AC
Rated voltage U_N : 1~ 230 V $\pm$ 10 %*
Rated frequency f_N : 50 Hz* (60Hz data available)
Input power P_i : 0.72 kW*
Rated current I_N : 3.20 A*
Rated speed n_N : 1240 min⁻¹*
Starting current I_A : 6.50 A
Current increase ΔI : 0 %
Service capacitor C_{400V} : 16.0 μ F
Thermal class: **THCL155***
Min. permitted ambient temperature $t_{R(min)}$: -25 °C
Max. permitted ambient 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 2015, CE
ErP-data
Efficiency η_{statA} : 32.9 %
Efficiency: $N_{actual} = 40.3 / N_{target} = 40$ **
* Rated data
**ErP 2015

Characteristic curve



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

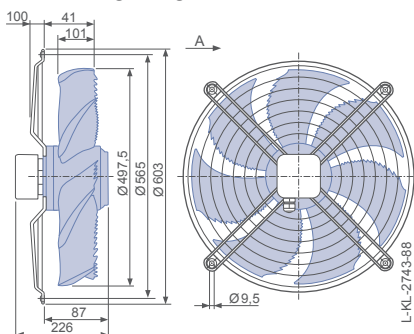
Connection diagram Page 531
for airflow direction A 1360-104XB
for airflow direction V 1360-104XA

System components Page 430

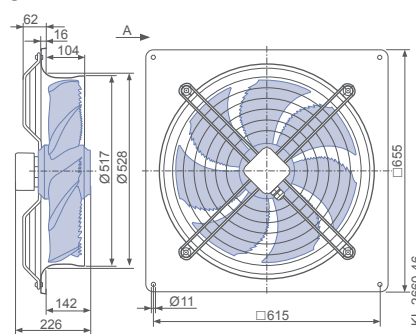
Dimensions mm

Airflow direction A

Design W - axial bolted, mounting for short bell mouth, guard grille suction side

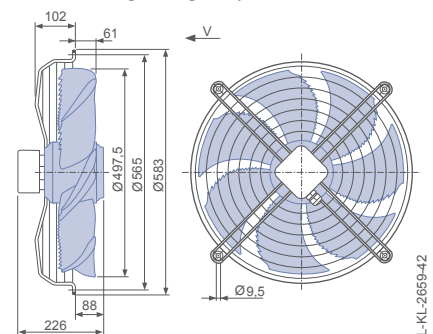


Design Q - square full bell mouth, guard grille suction side



Airflow direction V

Design K - axial bolted, mounted for short bell mouth, guard grille pressure side



Performance data

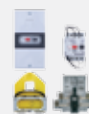
Type	Characteristic curve	Voltage	Operating point	Current	Input power	Speed	Suction side sound power level L_{WA5} dB(A)
		U V		I A	P_1 W	n min ⁻¹	
FN050-4E_4I_7	I	230	①	3.70	840	1150	
		230*	②	3.20*	720*	1240*	73
		230	③	2.60	600	1320	73
	II	170	④	3.50	580	880	
		170	⑤	3.20	520	1010	67
		170	⑥	2.70	460	1160	70
	III	135	⑦	3.10	390	660	
		135	⑧	2.90	380	780	61
		135	⑨	2.60	350	960	67
	IV	110	⑩	2.60	270	520	
		110	⑪	2.60	270	620	55
		110	⑫	2.40	260	760	61

*rated data

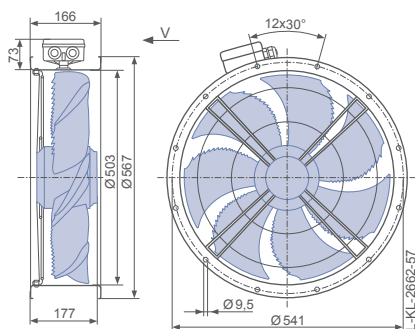
Fan ordering information

Airflow direction A			Airflow direction V			
Design	W (guard grille suction side)	Q (guard grille suction side)	K (guard grille pressure side)	F (without guard grille)	F (guard grille pressure side)	Q (guard grille pressure side)
						
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.	167953	167952	167956	167957	167958	167955
Weight kg	13.80	20.10	13.30	16.80	17.50	18.30

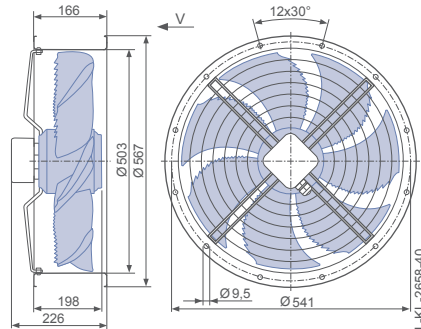
Control technology

Frequency inverters Fcontrol 1~  Page 474	Motor protection units 1~  Page 518	Electronic voltage controllers 1~  Page 492
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Design F - flange ring with two flanges, without guard grille



Design F - flange ring with two flanges, guard grille pressure side



Design Q - square full bell mouth, guard grille pressure side

