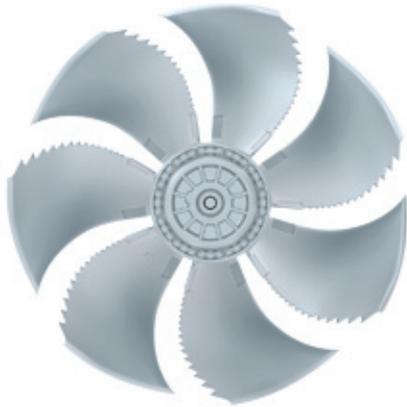


FE2owlet

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_s : 6.50 A
 Current increase ΔI : 5 %
 Service capacitor C_{400V} : 16.0 μ F
 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

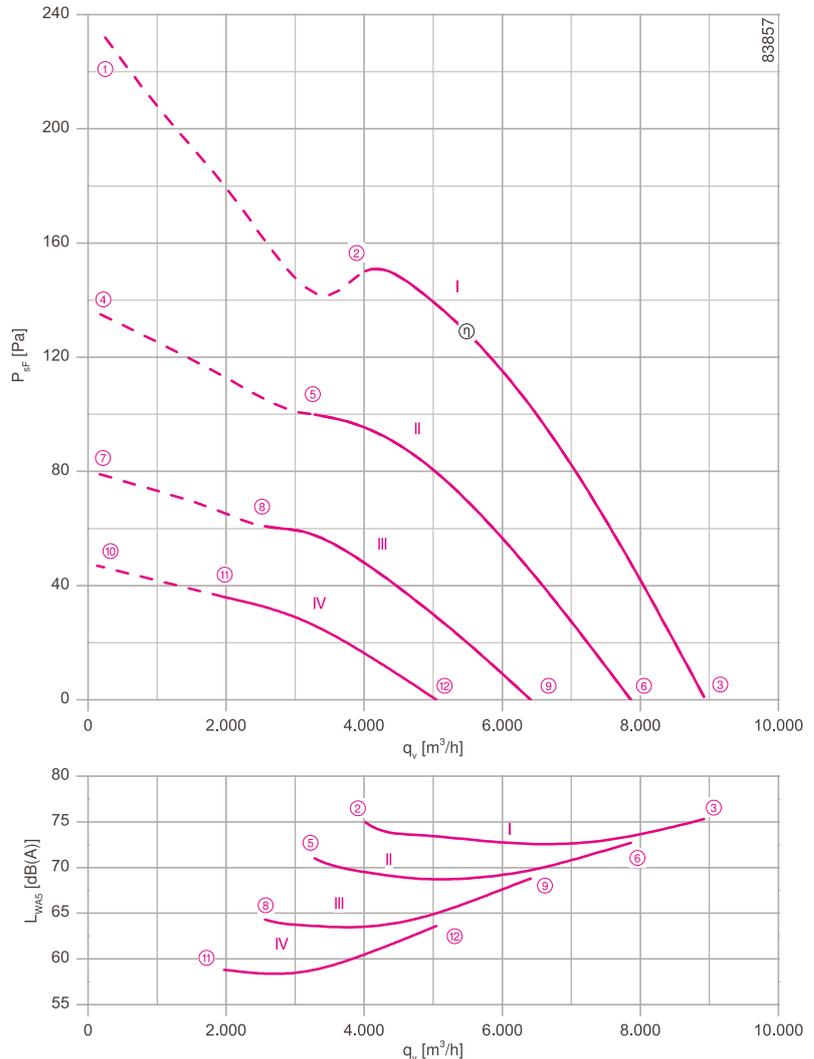
ErP Data

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

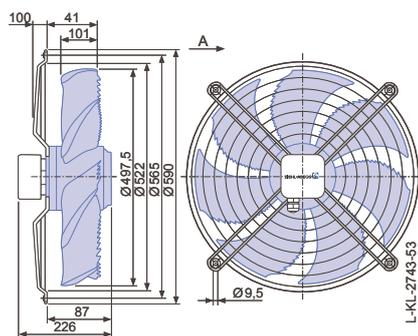


Measured in full bell mouth without guard grille in installation type A according to ISO 5801.

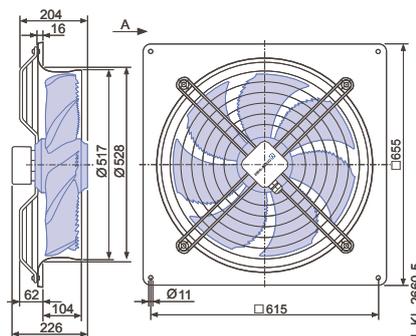
Dimensions [mm]

Airflow direction A

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

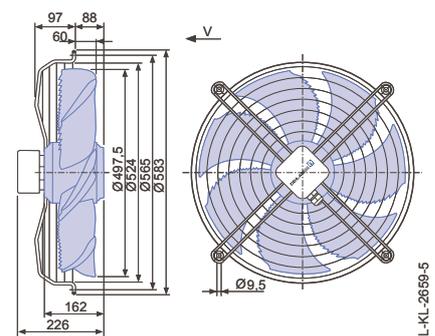


Design Q - square, full bell mouth



Airflow direction V

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



Performance data

Type	Characteristic curve	Voltage	Operating point	Current	Motor input power	Speed	Suction side sound power level
		U [V]		I [A]	P ₁ [W]	n [min ⁻¹]	
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

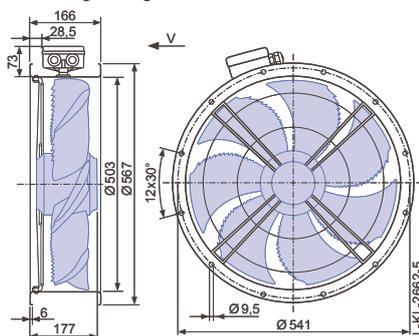
Fan ordering information

Design	Airflow direction A			Airflow direction V		
	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

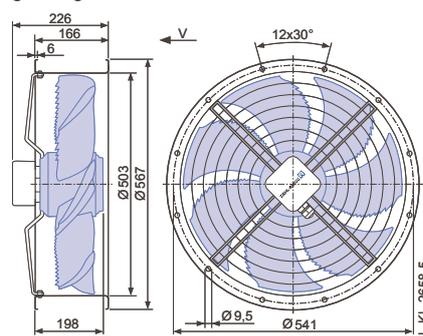
Control technology

<p>Frequency inverter Fcontrol 1~</p> <p>Page 552</p>	<p>Motor protection units 1~</p> <p>Page 596</p>	<p>Transformer-based controllers 1~</p> <p>Page 587</p>	<p>Electronic voltage controllers 1~</p> <p>Page 562</p>
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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

