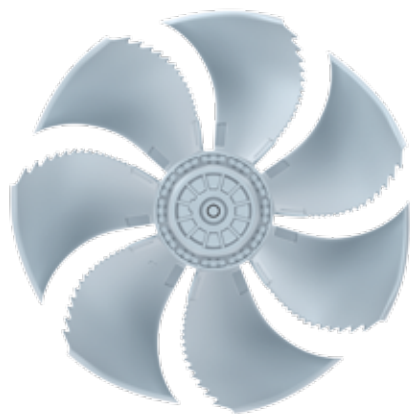


FE2owlet

for three phase alternating current, 4-4 pole

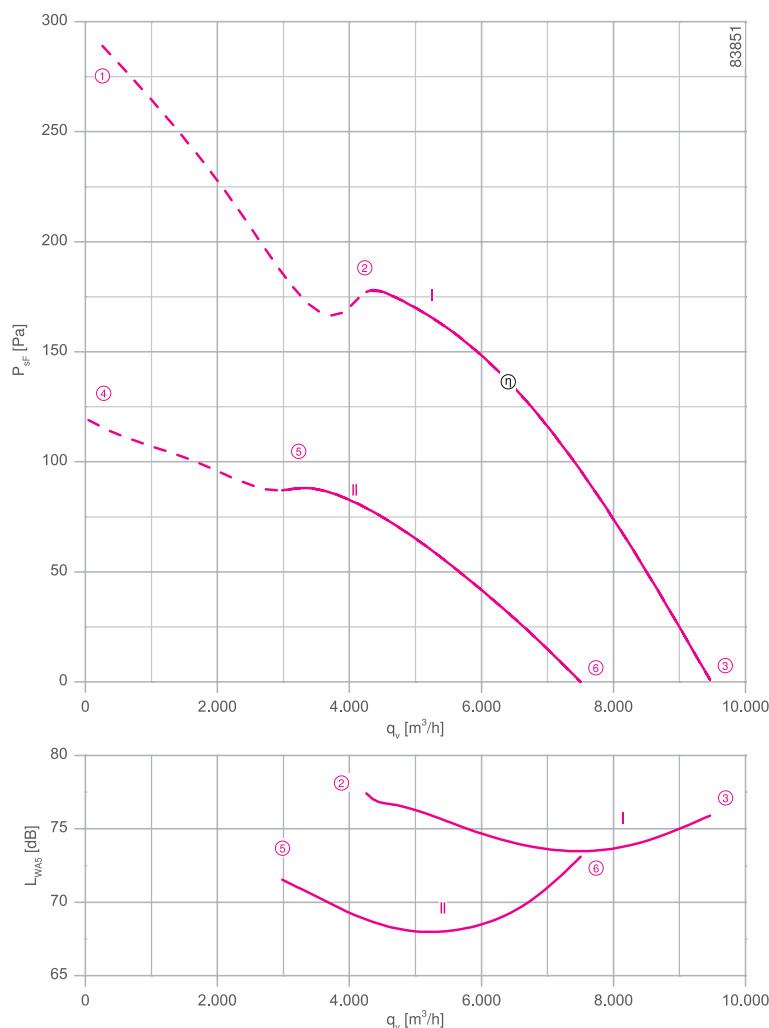
FN050-VD



Description

Motor technology: AC
Rated voltage U_N : 3~ 400 V (Δ/Y) $\pm 10\%$ *
Rated frequency f_N : 50 Hz*
Input power P_i : 0.84/0.54 kW*
Rated current I_N : 1.45/0.96 A*
Rated speed n_N : 1340/ 940 min⁻¹*
Starting current I_A : 5.00 / 1.60 A
Current increase ΔI : 15 %
Thermal class: **THCL155***
Min. permitted ambient temperature $t_{R(min)}$: -40 °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} : 34.2 %
Efficiency: $N_{actual} = 41.3 / N_{target} = 40^{**}$
* Rated data
**ErP 2015

Characteristic curve



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

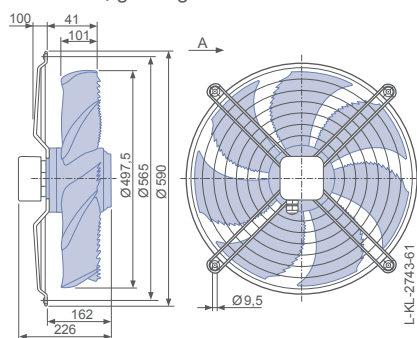
Connection diagram Page 531
for airflow direction A 1360-108XB
for airflow direction V 1360-108XA

System components Page 430

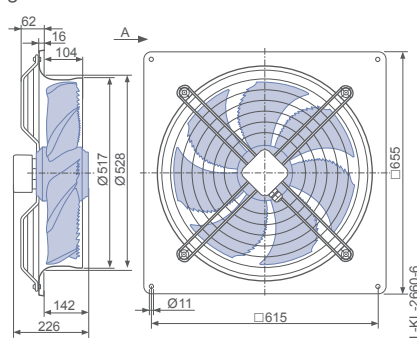
Dimensions mm

Airflow direction A

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

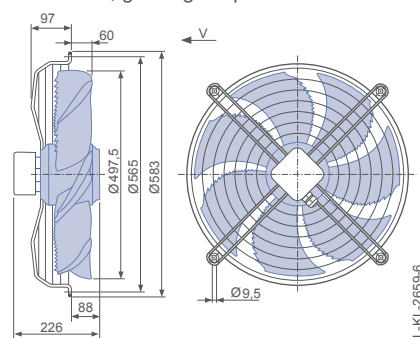


Design Q - square full bell mouth, guard grille suction side



Airflow direction V

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



Performance data

Type	Connection	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-VD_4I_7P1	Δ	I	400	①	1.75	1050	1280	
			400*	②	1.45*	840*	1340*	78
			400	③	1.15	620	1390	76
	Y	II	400	④	1.05	580	800	
			400*	⑤	0.96*	540*	940*	72
			400	⑥	0.82	480	1110	73

*rated data

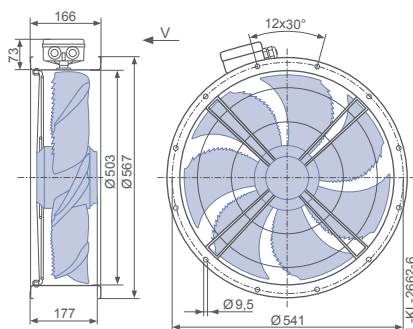
Fan ordering information

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-VDW.4I.A7P1	FN050-VDQ.4I.A7P1	FN050-VDK.4I.V7P1	FN050-VDF.4I.V7P1	FN050-VDF.4I.V7P1	FN050-VDQ.4I.V7P1
Article no.	156556	140083	140056	140067	140073	140322
Weight kg	13.80	20.10	13.30	16.80	17.50	18.30

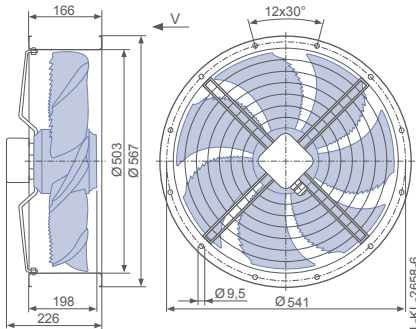
Control technology

Frequency inverters Fcontrol 3~  Page 480	Motor protection units 3~  Page 518	Electronic voltage controllers 3~  Page 506
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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

