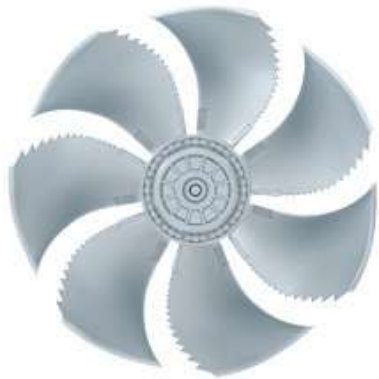


FE2owlet

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 *
Motor 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 : 4.70 A / 1.55 A
Current increase ΔI : 15 %
Thermal class: THCL155 *
Min. permitted conveyor temperature $t_{R(min)}$: -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: Aluminium, uncoated
Rotor: Aluminium, uncoated
Conformity: ErP 2015, CE

ErP Data

Efficiency $\eta_{std/A}$: 34.2 %
Efficiency: $N_{actual} = 41.3 / N_{target} = 40$ **

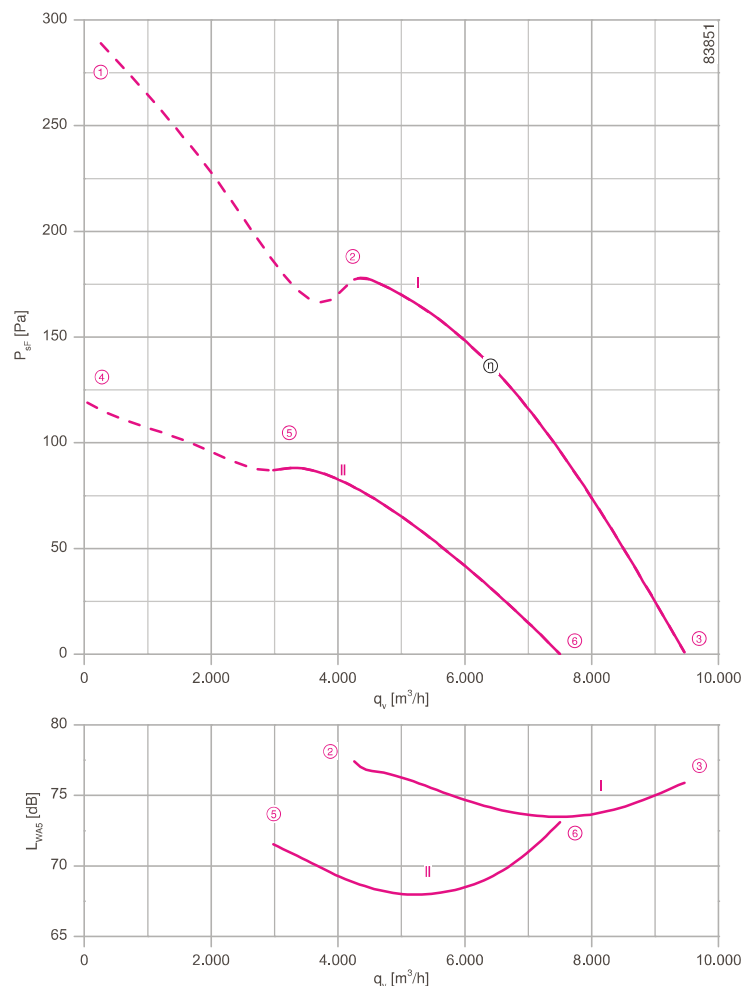
* Rated data

**ErP 2015

➤ Connection diagrams Page 608
for airflow direction V 1360-108XA
for airflow direction A 1360-108XB

➤ System components Page 524

Characteristic curve

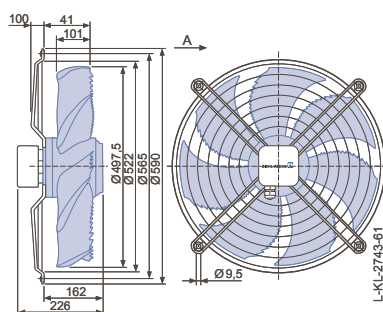


Measured in full bell mouth without guard grille in installation type A according to ISO 5801.

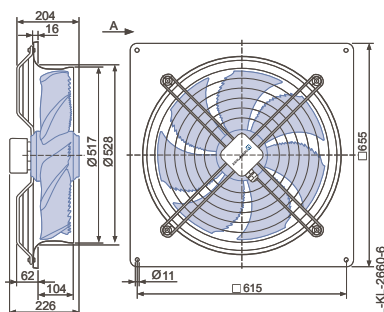
Dimensions [mm]

Airflow direction A

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

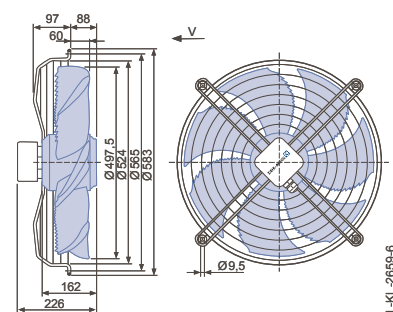


Design Q - square, full bell mouth



Airflow direction V

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



Performance data

Type	Connection	Characteristic curve	Voltage U [V]	Operating point	Current I [A]	Motor input power P _i [W]	Speed n [min ⁻¹]	Suction side sound power level L _{WA5} [dB]
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

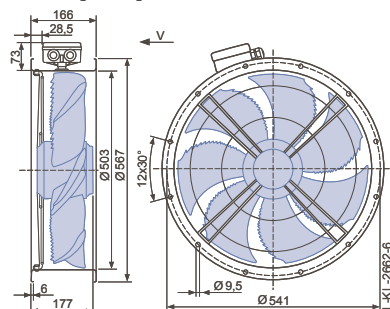
Fan ordering information

Airflow direction A			Airflow direction V			
Design	W	Q	K	F (without contact protection)	F (with contact protection)	Q
						
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	17.80

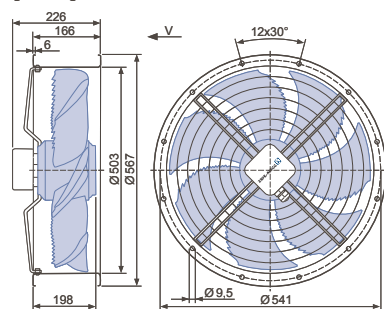
Control technology

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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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

