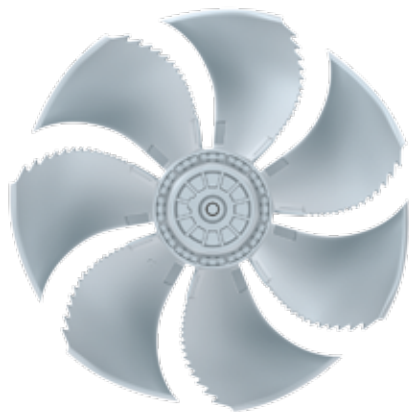




Description

Motor technology: AC
 Rated voltage U_N : 1~ 230 V $\pm$ 10 %*
 Rated frequency f_N : 50 Hz* (60Hz data available)
 Motor input power P_1 : 0.30 kW*
 Rated current I_N : 1.30 A*
 Rated speed n_N : 910 min⁻¹*
 Starting current I_A : 2.60 A
 Current increase ΔI : 10 %
 Service capacitor C_{400V} : 10.0 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} : 27.9 %
 Efficiency: $N_{actual} = 37.6 / N_{target} = 36$ **

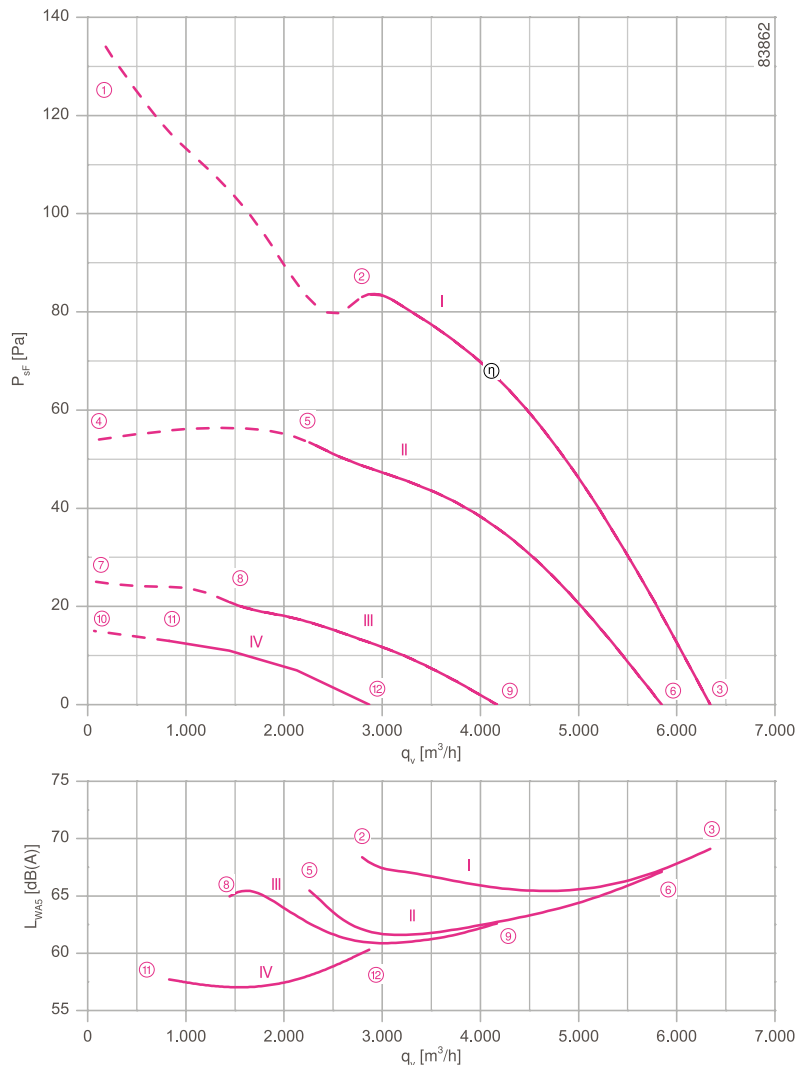
* Rated data

**ErP 2013

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

➤ System components Page 524

Characteristic curve

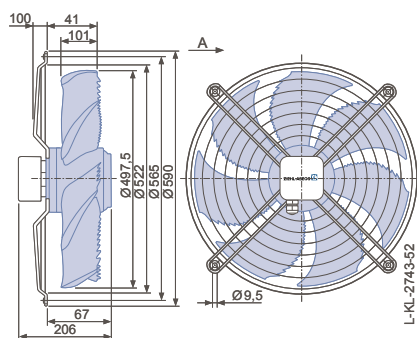


Measured in full bell mouth without guard grille in installation type A according to ISO 5801.

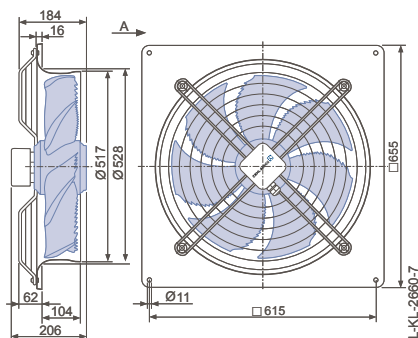
Dimensions [mm]

Airflow direction A

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

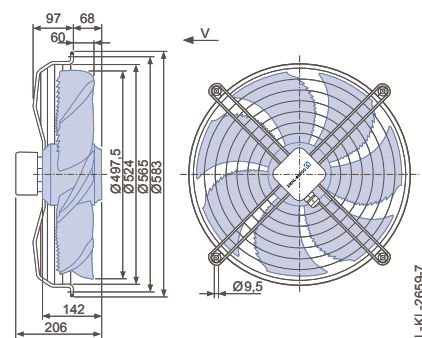


Design Q - square, full bell mouth



Airflow direction V

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



	curve	U [V]		I [A]	power P ₁ [W]	n [min ⁻¹]	power level L _{WA5} [dB]
FN050-6E_.4F_.7P1	I	230	①	1.55	350	860	
		230*	②	1.30*	300*	910*	68
		230	③	1.10	250	940	69
	II	170	④	1.65	250	550	
		170	⑤	1.40	230	760	66
		170	⑥	1.10	190	870	67
	III	135	⑦	1.30	150	370	
		135	⑧	1.30	150	460	65
		135	⑨	1.25	150	620	63
	IV	110	⑩	1.05	100	290	
		110	⑪	1.05	100	350	57
		110	⑫	1.05	100	430	60

*rated data

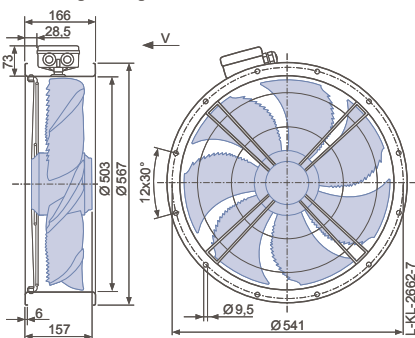
Fan ordering information

Airflow direction A → ← Airflow direction V						
Design	W	Q	K	F (without contact protection)	F (with contact protection)	Q
						
Type	FN050-6EW.4F.A7P1	FN050-6EQ.4F.A7P1	FN050-6EK.4F.V7P1	FN050-6EF.4F.V7P1	FN050-6EF.4F.V7P1	FN050-6EQ.4F.V7P1
Article no.	155595	140086	140059	140070	140076	140064
Weight [kg]	12.30	18.60	11.80	15.30	16.00	16.30

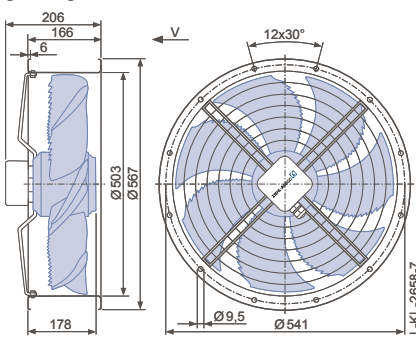
Control technology

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

