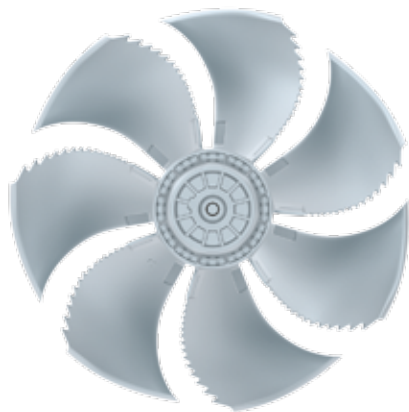




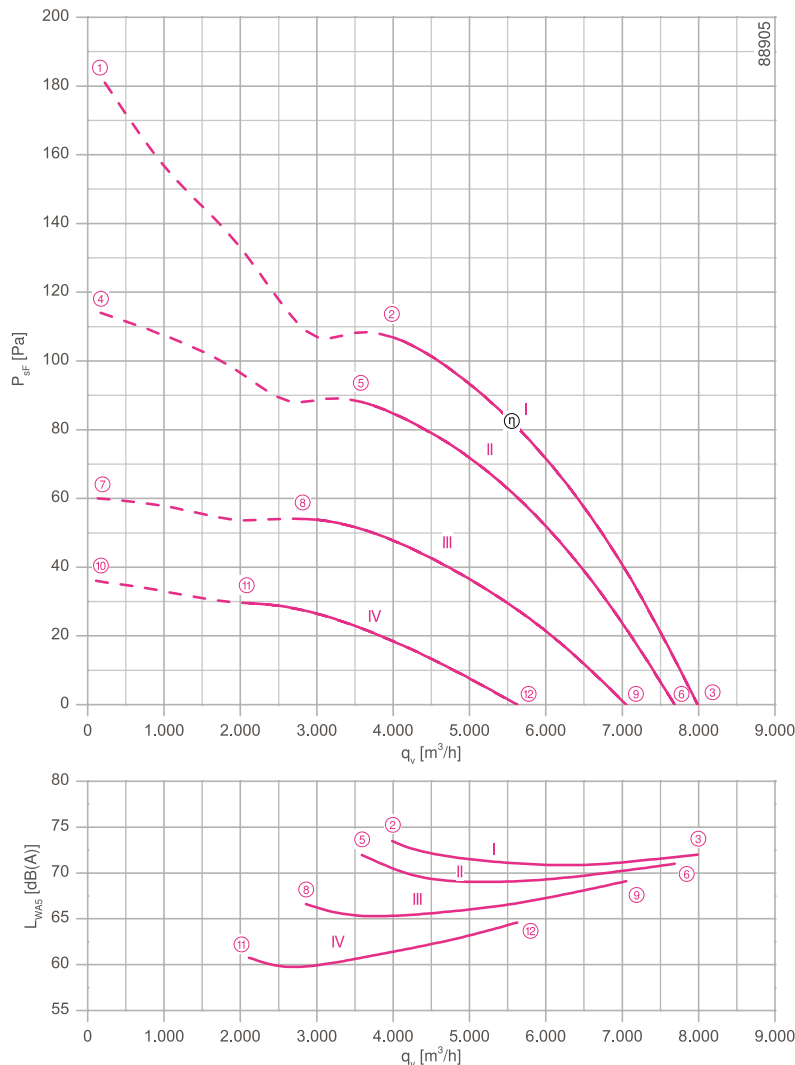
Description

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 : 0.46 kW*
 Rated current I_N : 2.20 A*
 Rated speed n_N : 930 min⁻¹*
 Starting current I_A : 5.30 A
 Current increase ΔI : 0 %
 Service capacitor C_{400V} : 12.0 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} : 29.5 %
 Efficiency: $N_{actual} = 38.1 / N_{target} = 36$ **
 * Rated data
 **ErP 2013

Characteristic curve



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

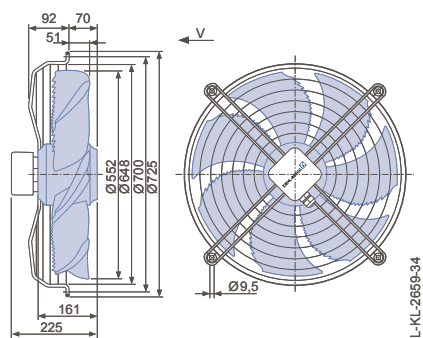
Connection diagram 1360-104XA Page 608

System components Page 524

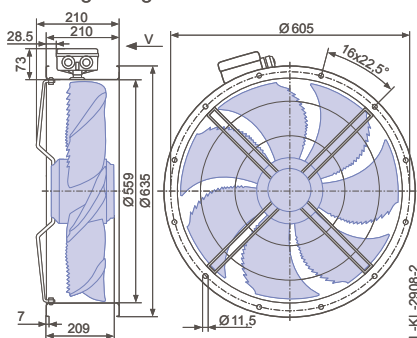
Dimensions [mm]

Airflow direction V

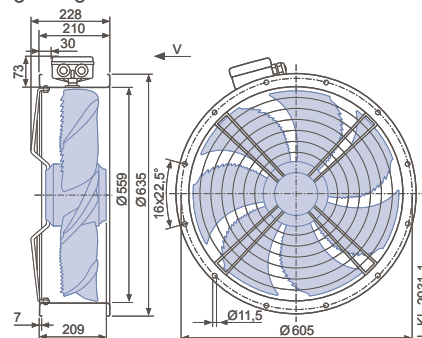
Design K - axial bolted, mounted for short bell mouth E



Design F - flange ring with two flanges without guard grille



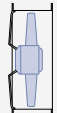
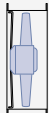
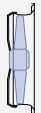
Design F - flange ring with two flanges and guard grille



	curve	U		I	power P ₁	n	power level
		[V]		[A]	[W]	[min ⁻¹]	L _{WA5} [dB]
FN056-6E_.4I_.7P2	I	230	①	2.60	580	890	
		230*	②	2.20*	460*	930*	74
		230	③	1.80	370	960	72
	II	170	④	2.70	420	700	
		170	⑤	2.20	360	840	72
		170	⑥	1.65	280	920	71
	III	135	⑦	2.40	280	510	
		135	⑧	2.20	270	660	67
		135	⑨	1.70	230	840	69
	IV	110	⑩	2.00	190	390	
		110	⑪	1.90	190	500	61
		110	⑫	1.75	180	680	65

*rated data

Fan ordering information

Airflow direction V				
Design	K	F (without contact protection)	F (with contact protection)	Q
				
Type	FN056-6EK.4I.V7P2	FN056-6EF.4I.V7P2	FN056-6EF.4I.V7P2	FN056-6EQ.4I.V7P2
Article no.	156388	156391	156390	156389
Weight [kg]	13.30	18.40	19.30	21.00

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 Q - square, full bell mouth

