



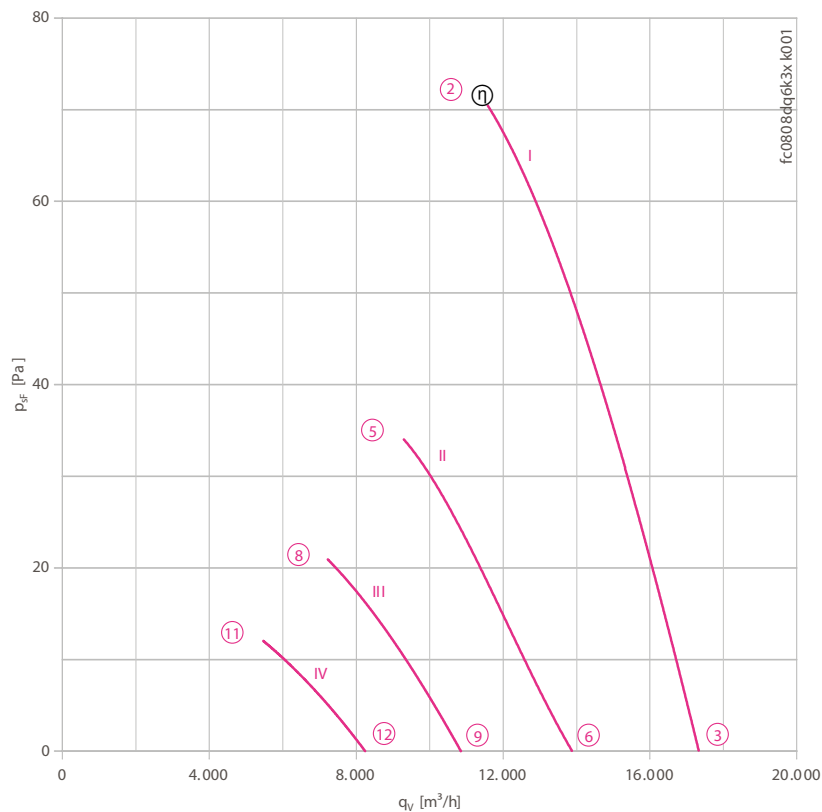
Description

Motor technology: AC
 Rated voltage U_N : 3~ 230/400 V (Δ/Y) ± 10 %*
 Rated frequency f_N : 50 Hz* (60Hz data available)
 Motor input power P_1 : 0.69 kW*
 Rated current I_N : 3.00/1.75 A*
 Rated speed n_N : 670 min⁻¹*
 Starting current I_A : 8.50 A / 5.00 A
 Current increase ΔI : 0 %
 Thermal class: THCL155*
 Min. permitted conveyor temperature $t_{R(min)}$: -40 °C
 Max. permitted conveyor temperature $t_{R(max)}$: 65 °C
 Electrical connection: Terminal box
 Number of blades: 7
 Protection class: IP54
 Motor protection: Thermal contact
 Blades: Aluminium, 1 coat paint, black
 Rotor: Aluminium, 1 coat paint, black
 Conformity: ErP 2015, CE

ErP Data

Efficiency η_{statA} : 33.5 %
 Efficiency: $N_{actual} = 40.9 / N_{target} = 40$ **
 * Rated data
 **ErP 2015

Characteristic curve



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

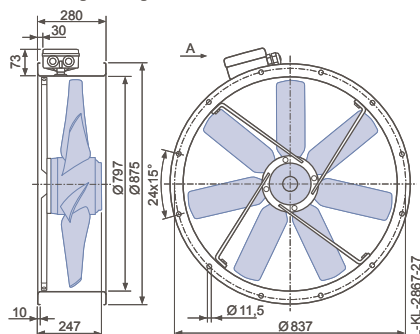
Connection diagram 1360-106XB Page 608

System components Page 524

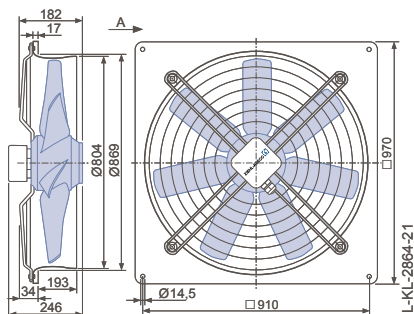
Dimensions [mm]

Airflow direction A

Design F - flange ring with two flanges without guard grille



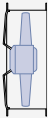
Design Q - square, full bell mouth



	curve	U		I	power	n	sound power level
		[V]		[A]	P ₁ [W]		L _{WAS} [dB]
FC080-8D_.6K.A7	I	400*	②	1.75*	690*	670*	75
		400	③	1.65	590	690	75
	II	230	⑤	1.60	430	500	70
		230	⑥	1.45	390	550	71
	III	180	⑧	1.45	290	390	64
		180	⑨	1.40	280	440	66
	IV	140	⑪	1.20	180	300	
		140	⑫	1.20	180	330	

*rated data

Fan ordering information

Airflow direction A		
Design	F (without guard grille) Q	
		
Type	FC080-8DF.6K.A7	FC080-8DQ.6K.A7
Article no.	125031	125010
Weight [kg]	39.10	38.60

Control technology

Frequency inverter Fcontrol 3~	Motor protection units 3~	Transformer-based controllers 3~	Electronic voltage controllers 3~
			
➤ Page 558	➤ Page 596	➤ Page 591	➤ Page 578