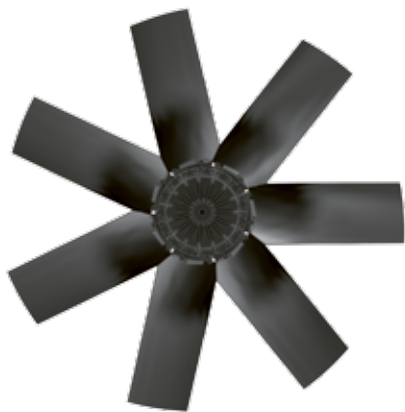




Description

Motor technology: AC

Rated voltage U_N : 3~ 230/400 V (Δ/Y) ± 10 %*

Rated frequency f_N : 50 Hz*

Motor input power P_1 : 2.20 kW*

Rated current I_N : 7.30/4.20 A*

Rated speed n_N : 670 min⁻¹*

Starting current I_A : 24.00 A / 14.00 A

Current increase ΔI : 10 %

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, 1 coat paint, black

Rotor: Aluminium, 1 coat paint, black

Conformity: ErP 2015, CE

ErP Data

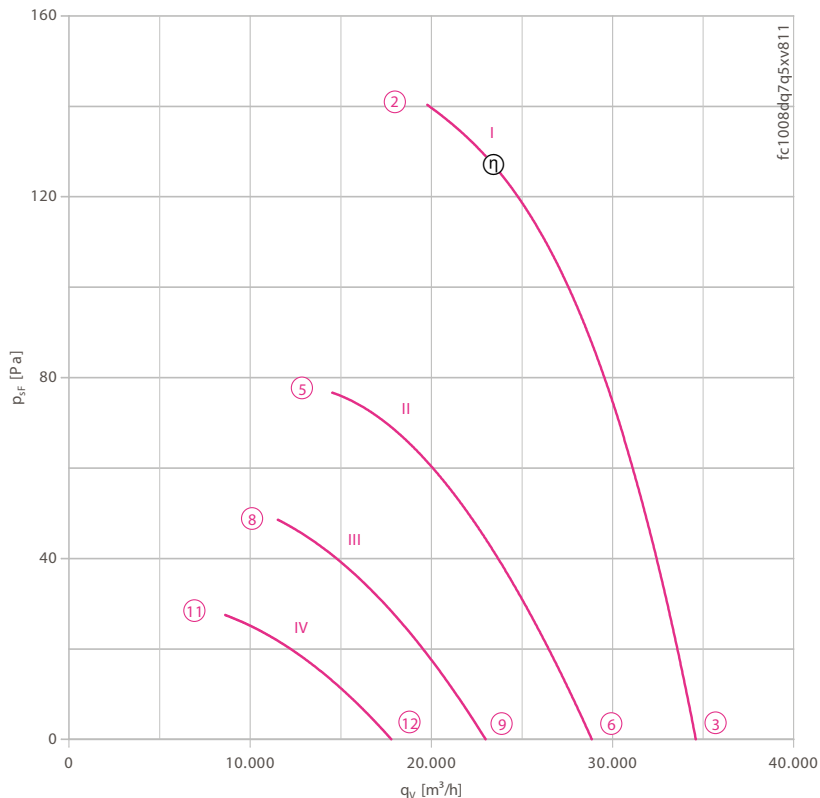
Efficiency η_{statA} : 36.5 %

Efficiency: $N_{actual} = 40.7 / N_{target} = 40$ **

* Rated data

**ErP 2015

Characteristic curve



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

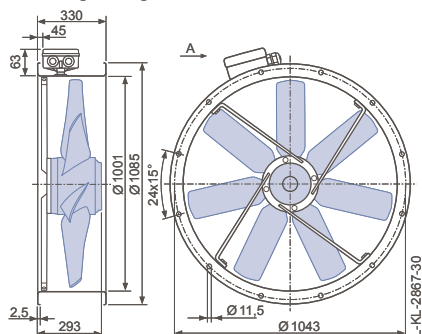
Connection diagram 1360-106XB Page 608

System components Page 524

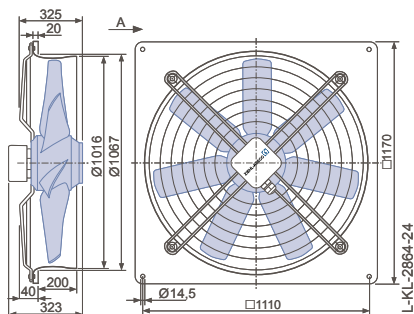
Dimensions [mm]

Airflow direction A

Design F - flange ring with two flanges without guard grille



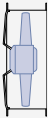
Design Q - square, full bell mouth



	curve	U		I	power	n	sound power level
		[V]		[A]	P ₁ [W]		L _{WAS} [dB]
FC100-8D_.7Q.A7	I	400*	②	4.20*	2200*	670*	86
		400	③	3.80	1800	690	87
	II	230	⑤	4.70	1500	530	80
		230	⑥	4.20	1350	570	82
	III	180	⑧	3.70	930	420	74
		180	⑨	3.50	900	460	77
	IV	140	⑪	3.10	600	340	69
		140	⑫	3.00	580	370	71

*rated data

Fan ordering information

Airflow direction A		
Design	F (without guard grille) Q	
		
Type	FC100-8DF.7Q.A7	FC100-8DQ.7Q.A7
Article no.	125051	125015
Weight [kg]	76.10	74.60

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