

FFowlet

for single phase alternating current, 6 pole

FF 0 9 1 - 6 E



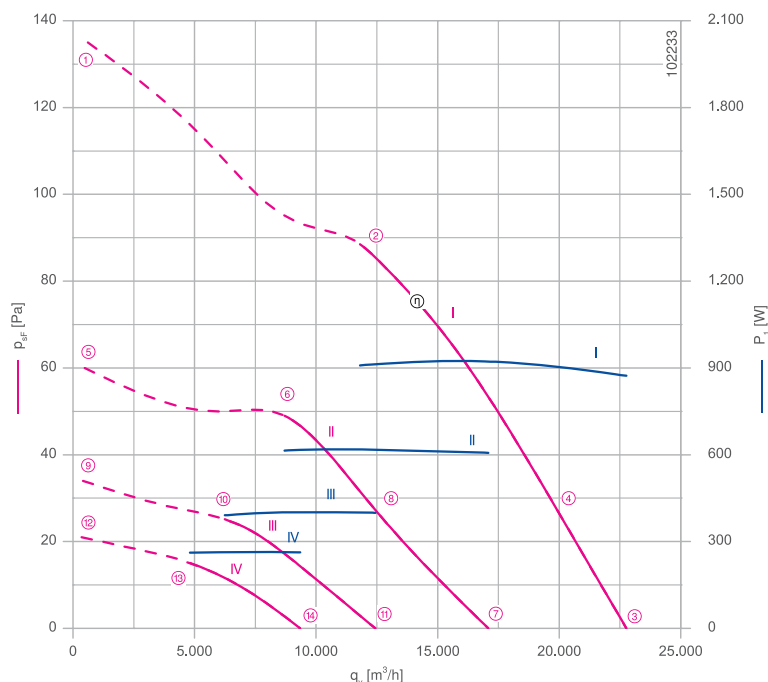
Description

Motor technology: AC
Rated voltage U_N : 1~ 230 V $\pm$ 10 %*
Rated frequency f_N : 50 Hz*
Input power P_i : 0.94 kW*
Rated current I_N : 4.20 A*
Rated speed n_N : 840 min⁻¹*
Current increase ΔI : 0 %
Service capacitor C_{400V} : 20.0 μ F
Thermal class: THCL155*
Min. permitted ambient temperature $t_{R(min)}$: -25 °C
Max. permitted ambient temperature $t_{R(max)}$: 55 °C
Electrical connection: Terminal box
Number of blades: 3
Degree of protection : IP54
Motor protection: thermal contact
Blades: Aluminium, 1 coat paint, jet black
Rotor: Aluminium, 1 coat paint, jet black
Conformity: ErP 2015, CE

ErP-data

Efficiency η_{statA} : 34.2 %
Efficiency: $N_{actual} = 40.8 / N_{target} = 40$ **
* Rated data
**ErP 2015

Characteristic curve



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

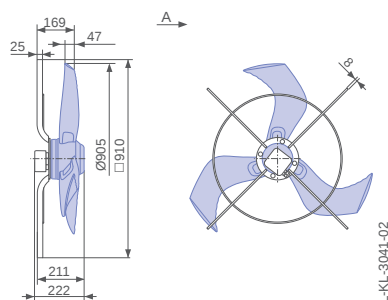
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System components Page 110

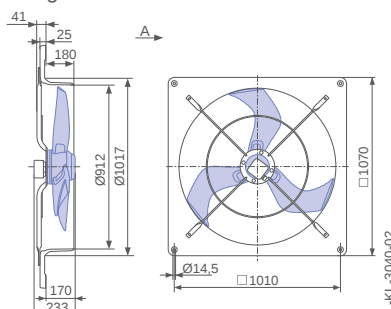
Dimensions mm

Airflow direction A

Design T - for installation in chimney exhausts, without guard grille

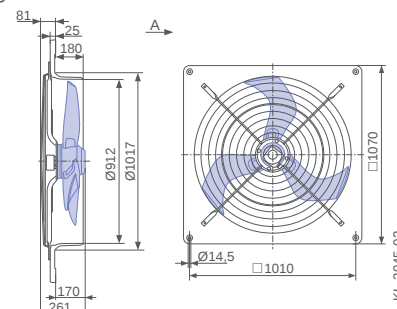


Design Q - square full bell mouth, without guard grille



Wall ring plate made of composite material

Design Q - square full bell mouth, guard grille suction side



Wall ring plate made of composite material

Performance data

Type	Characteristic curve	Voltage	Operating point	Current	Input power	Speed	Acoustic pressure level 7m	Specific power
		U V		I A	P _i W	n min ⁻¹	L _{pA} dB(A)	P _{spez} Wh/1000m ³
FF091-6E_6F_3P2	I	230	①	4.60	1000	780		
			②	4.00	900	850		77.8
			③	3.80	880	870	50	38.4
			④	4.00	900	840	49	46.4
	II	170	⑤	4.00	620	520		
			⑥	3.80	620	630		70.9
			⑦	3.80	600	650	44	35.5
			⑧	3.90	620	610	45	52.0
	III	135	⑨	3.30	390	390		
			⑩	3.20	390	450		63.0
			⑪	3.20	400	480	36	32.1
	IV	110	⑫	2.70	260	310		
			⑬	2.70	260	360		54.6
			⑭	2.70	260	370	31	28.1

Fan ordering information

Airflow direction A			
Design	T (without guard grille)	Q (without guard grille)	Q (guard grille suction side)
			
Type	FF091-6ET.6F.A3P2	FF091-6EQ.6F.A3P2	FF091-6EQ.6F.A3P2
Article no.	159998	159996	159997
Wall ring plate		Wall ring plate made of composite material	Wall ring plate made of composite material
Weight kg	19.50	29.10	34.20
Supply temperature -10 °C - max 40 °C in design with wall ring plate made of composite material			

Control technology

Frequency inverters Fcontrol 1~	Motor protection units 1~	Electronic voltage controllers 1~
		
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