

FFowlet

for three phase alternating current, 6 pole

FF 0 9 1 - 6 D



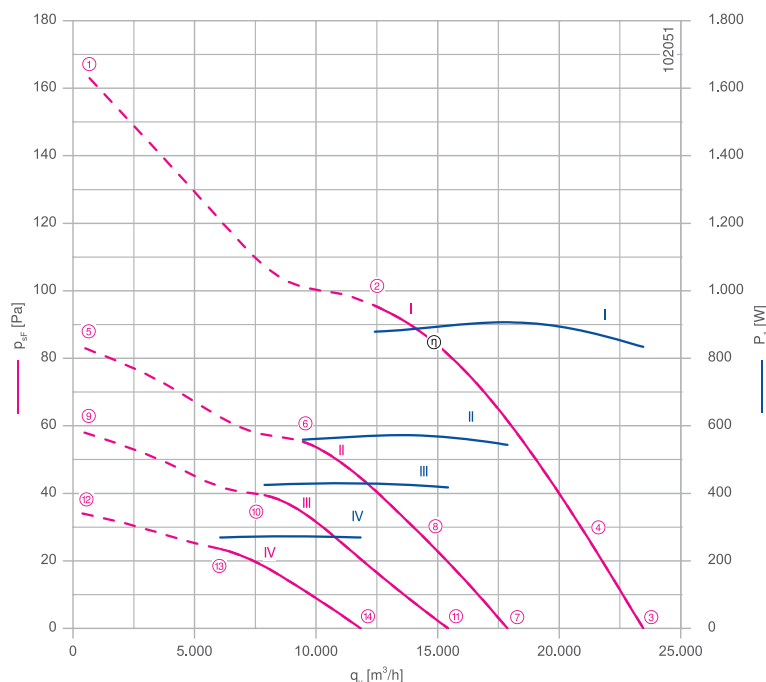
Description

Motor technology: AC
Rated voltage U_N : 3~ 230/400 V (Δ/Y) $\pm 10\%$
Rated frequency f_N : 50 Hz* (60Hz data available)
Input power P_i : 0.92 kW*
Rated current I_N : 3.30/1.90 A*
Rated speed n_N : 880 min⁻¹*
Starting current I_A : 10.00 / 6.00 A
Current increase ΔI : 0 %
Thermal class: THCL155*
Min. permitted ambient temperature $t_{R(min)}$: -40 °C
Max. permitted ambient temperature $t_{R(max)}$: 70 °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} : 40.3 %
Efficiency: $N_{actual} = 46.9 / N_{target} = 40^{**}$
* Rated data
**ErP 2015

Characteristic curve



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

Connection diagram

Page 174
1360-106XB

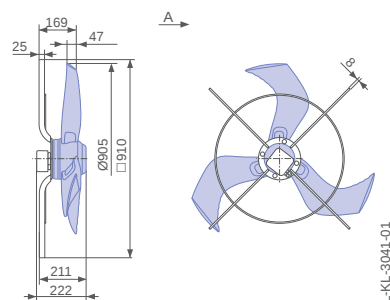
System components

Page 110

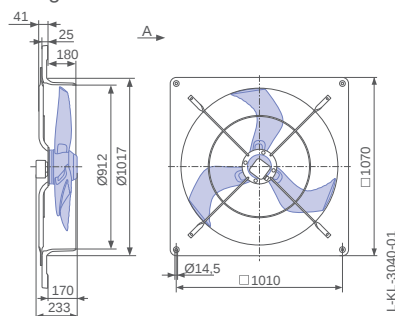
Dimensions mm

Airflow direction A

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

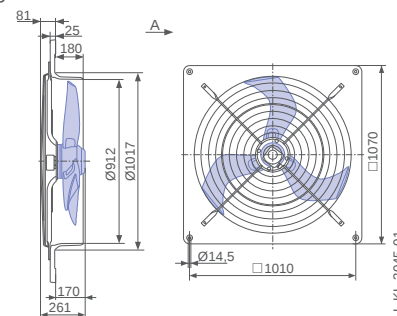


Design Q - square full bell mouth, without guard grille



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
FF091-6D_6F_3P2	I	400	①	2.10	1050	860		
			②	1.85	880	890		71.5
			③	1.80	840	900	51	35.5
			④	1.90	880	890	50	42.3
	II	230	⑤	2.00	620	610		
			⑥	1.80	560	680		59.8
			⑦	1.75	540	690	45	30.4
			⑧	1.85	580	660	44	41.1
	III	190	⑨	1.80	440	510		
			⑩	1.70	420	570		54.1
			⑪	1.65	420	590	41	27.0
	IV	145	⑫	1.50	280	390		
			⑬	1.45	270	440		44.4
			⑭	1.45	270	460	35	22.7

Fan ordering information

Airflow direction A			
Design	T (without guard grille)	Q (without guard grille)	Q (guard grille suction side)
			
Type	FF091-6DT.6F.A3P2	FF091-6DQ.6F.A3P2	FF091-6DQ.6F.A3P2
Article no.	159993	159991	159992
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 3~	Motor protection units 3~	Electronic voltage controllers 3~
		
Page 144	Page 154	Page 150