

FFowlet

for single phase alternating current, 6 pole

FF 0 8 0 - 6 E



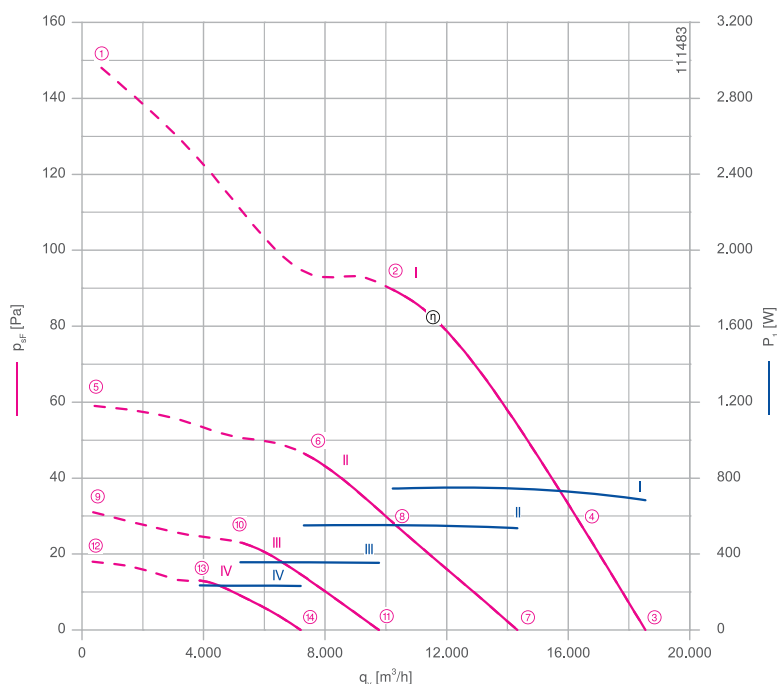
Description

Motor technology: AC
Rated voltage U_N : 1~ 230 V $\pm$ 10 %*
Rated frequency f_N : 50 Hz*
Input power P_i : 0.76 kW*
Rated current I_N : 3.40 A*
Rated speed n_N : 880 min⁻¹*
Current increase ΔI : 0 %
Service capacitor C_{400V} : 16.0 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} : 35.9 %
Efficiency: $N_{actual} = 43.0 / N_{target} = 40$ **
* Rated data
**ErP 2015

Characteristic curve



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

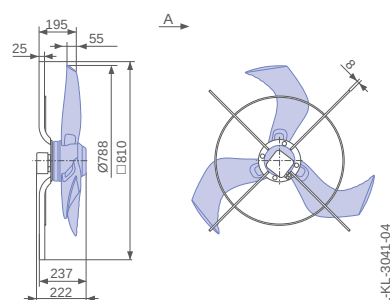
Connection diagram Page 174
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System components Page 110

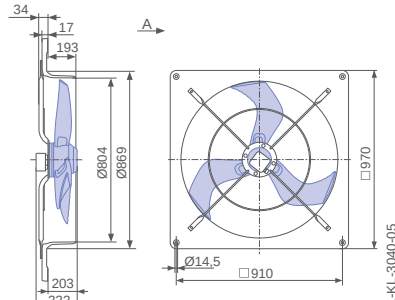
Dimensions mm

Airflow direction A

Design T - for installation in chimney ex-hausts, without guard grille

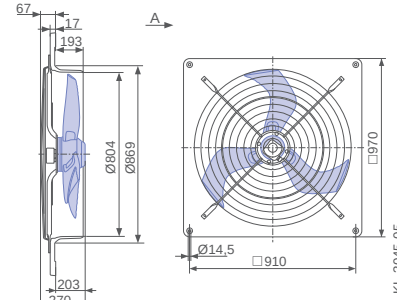


Design Q - square full bell mouth, without guard grille



Wall ring plate made of galvanized sheet steel

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



Wall ring plate made of galvanized sheet steel



Performance data

Type	Characteristic curve	Voltage U V	Operating point	Current I A	Input power P _i W	Speed n min ⁻¹	Acoustic pressure level 7m L _{pA} dB(A)	Specific power P _{spez} Wh/1000m ³
FF080-6E_6F_3P2	I	230	①	4.20	900	810		
			②	3.40	740	890		73.5
			③	3.10	680	910	50	36.9
			④	3.30	720	890	50	44.7
	II	170	⑤	3.90	560	510		
			⑥	3.70	560	640		75.6
			⑦	3.60	540	700	44	37.4
			⑧	3.70	560	630	45	55.4
	III	135	⑨	3.20	360	370		
			⑩	3.10	360	450		69.3
			⑪	3.10	350	490	37	36.2
	IV	110	⑫	2.60	240	290		
			⑬	2.60	230	340		60.8
			⑭	2.50	230	360	31	32.3

Fan ordering information

Airflow direction A			
Design	T (without guard grille)	Q (without guard grille)	Q (guard grille suction side)
			
Type	FF080-6ET.6F.A3P2	FF080-6EQ.6F.A3P2	FF080-6EQ.6F.A3P2
Article no.	169856	169854	169855
Wall ring plate		Wall ring plate made of galvanized sheet steel	Wall ring plate made of galvanized sheet steel
Weight kg	18.50	33.80	37.70

Control technology

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