

FFowlet

for three phase alternating current, 6 pole

FF 0 8 0 - 6 D



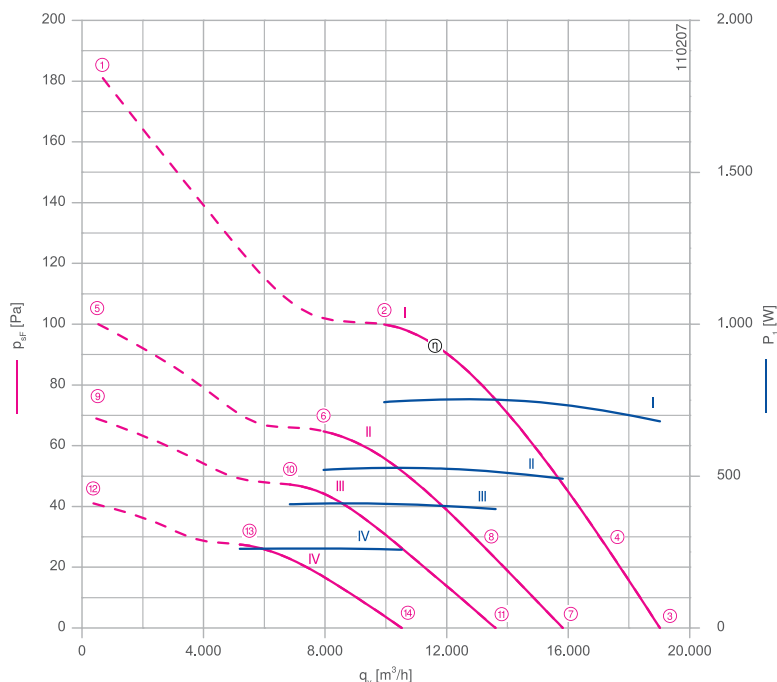
Description

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 : 0.76 kW*
Rated current I_N : 3.10/1.80 A*
Rated speed n_N : 920 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 $t_{R(max)}$: 45 °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} : 40.5 %
Efficiency: $N_{actual} = 47.6 / N_{target} = 40^{**}$
* Rated data
**ErP 2015

Characteristic curve



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

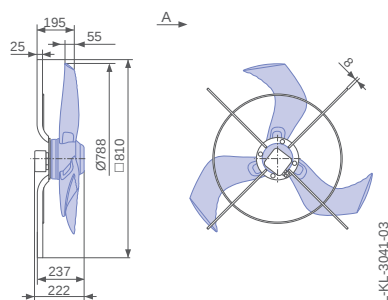
Connection diagram Page 174
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System components Page 110

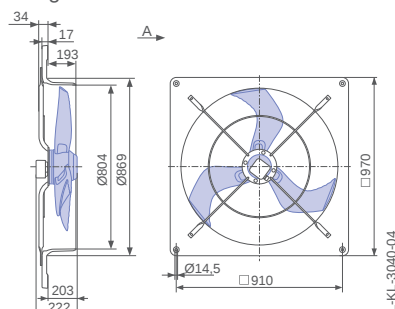
Dimensions mm

Airflow direction A

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

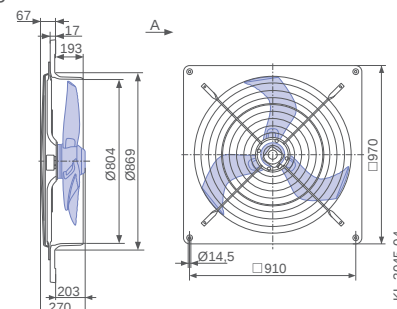


Design Q - square full bell mouth, without guard grille



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	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
FF080-6D_6F_3P2	I	400	①	2.10	940	890		
			②	1.95	740	920		75.1
			③	1.80	680	930	50	35.8
			④	1.80	720	930	50	42.5
	II	230	⑤	2.00	580	660		
			⑥	1.75	520	750		65.5
			⑦	1.65	500	780	46	31.0
			⑧	1.75	520	750	47	40.4
	III	190	⑨	1.85	440	560		
			⑩	1.70	400	640		60.1
			⑪	1.60	390	670	43	28.8
			⑫	1.55	270	420		
	IV	145	⑬	1.50	260	490		50.3
			⑭	1.45	260	520	38	24.5

Fan ordering information

Airflow direction A			
Design	T (without guard grille)	Q (without guard grille)	Q (guard grille suction side)
			
Type	FF080-6DT.6F.A3P2	FF080-6DQ.6F.A3P2	FF080-6DQ.6F.A3P2
Article no.	169851	169849	169850
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 3~	Motor protection units 3~	Electronic voltage controllers 3~
		
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