

FFowlet-ECblue

for single phase alternating current, 200-277 V

FF 0 8 0



Description

Motor technology: EC

Rated voltage U_N : 1~ 200-277 V*

Rated frequency f_N : 50/60 Hz*

Input power P_{SVC} : **1.15 kW***

Rated current I_{A1} : 5.80- 4.20 A*

Rated speed n_N : 1090 min⁻¹*

Thermal class: **THCL155***

Min. permitted ambient temperature $t_{R(min)}$: -35 °C

Max. permitted ambient temperature $t_{R(max)}$: 40 °C

Electrical connection: Integrated controller with attached cable

Number of blades: 3

Degree of protection : IP55

Motor protection: Integrated active temperature management

Blades: Aluminium, powder-coated, ultramarine blue

Rotor: Aluminium, 1 coat paint, ultramarine blue

Conformity: ErP 2015, CE, UL

ErP-data

Efficiency η_{statA} : 48.8 %

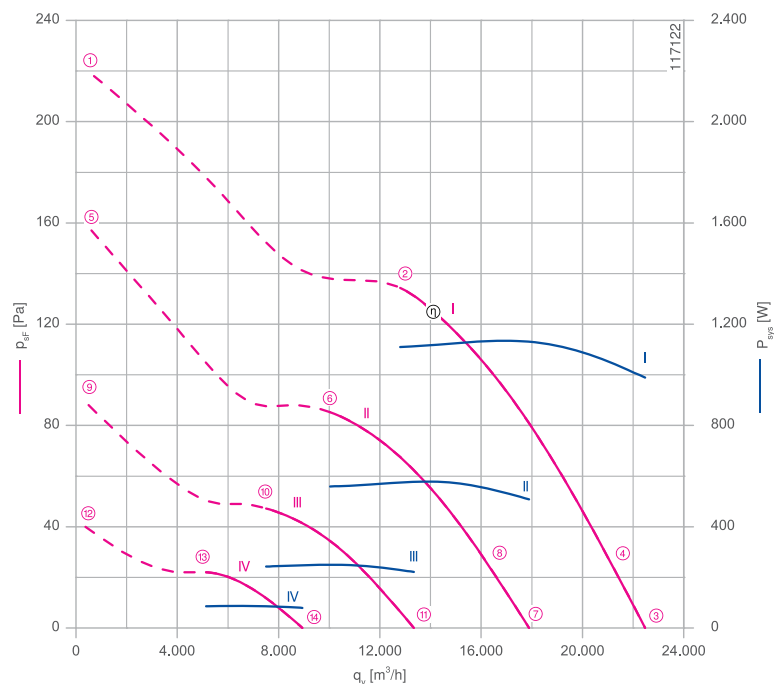
Efficiency: $N_{\text{actual}} = 54.8 / N_{\text{target}} = 40^{**}$

EC controller integrated

* Rated data

**ErP 2015

Characteristic curve



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

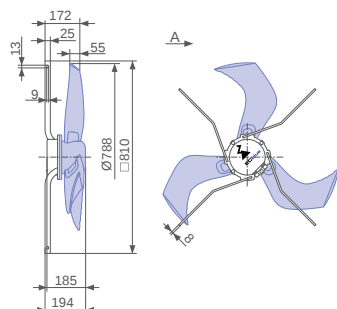
Connection diagram
0-10 V 1360-389
10-0 V

System components Page 110

Dimensions mm

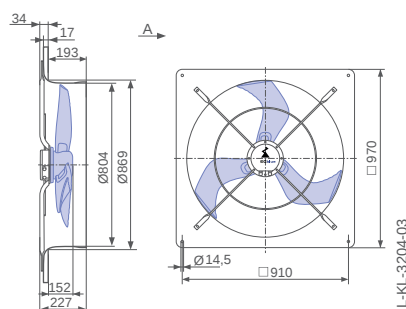
Airflow direction A

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



- KL-3037-03

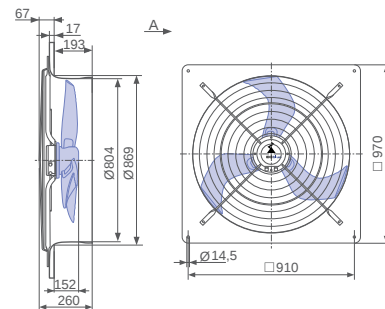
Design Q - square full bell mouth, without guard grille



-KI-3204-03

Wall ring plate made of galvanized sheet steel

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



-kl-3420-03

Wall ring plate made of galvanized sheet steel

Performance data

Type	Characteristic curve	Speed	Operating point	Current	Input power	Acoustic pressure level 7m	Specific power
		n min ⁻¹		I A	P _{sys} W	L _{pA} dB(A)	P _{spez} Wh/1000m³
FF080-ZI_DG_3P1	I	1090	①	5.20	1200		
			②	4.80	1100		87.6
			③	4.40	980	52	44.0
			④	4.60	1050	52	51.3
	II	870	⑤	3.20	720		
			⑥	2.50	560		55.7
			⑦	2.30	500	47	28.4
			⑧	2.50	560	50	35.1
	III	650	⑨	1.40	310		
			⑩	1.10	240		32.4
			⑪	1.00	220	42	16.6
			⑫	0.52	110		
	IV	440	⑬	0.44	85		16.8
			⑭	0.42	80	35	8.9

Current values determined at 230V

Fan ordering information

Airflow direction A			
Design	T (without guard grille)	Q (without guard grille)	Q (guard grille suction side)
			
Type	FF080-ZIT.DG.A3P1	FF080-ZIQ.DG.A3P1	FF080-ZIQ.DG.A3P1
0-10 V			
Article no.	170255	170253	170254
10-0 V			
Article no.	170260	170258	170259
Wall ring plate		Wall ring plate made of	Wall ring plate made of
Weight kg	14.50	galvanized sheet steel	galvanized sheet steel
		30.10	33.90

Control technology

Control module UNIcon Zenec switch	
	
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