

FFowlet-ECblue

for single phase alternating current, 200-277 V

FF 0 9 1



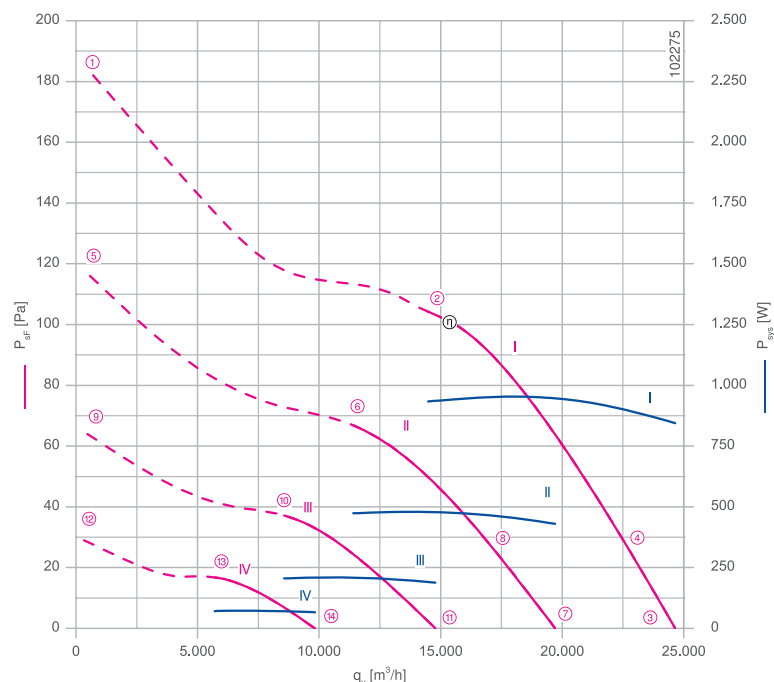
Description

Motor technology: EC
Rated voltage U_N : 1~ 200-277 V*
Rated frequency f_N : 50/60 Hz*
Input power P_{sys} : 0.96 kW*
Rated current I_N : 5.00- 3.60 A*
Rated speed n_N : 950 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} : 51.3 %
Efficiency: $N_{actual} = 57.8 / N_{target} = 40^{**}$
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.

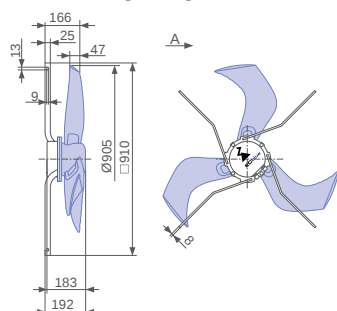
Connection diagram Page 173
0-10 V 1360-389
10-0 V

System components Page 110

Dimensions mm

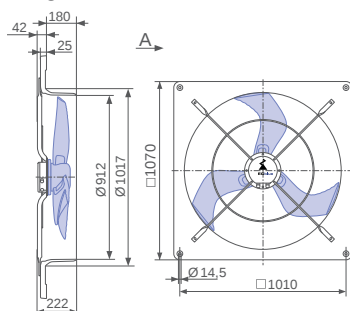
Airflow direction A

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



L-KL-3037-01

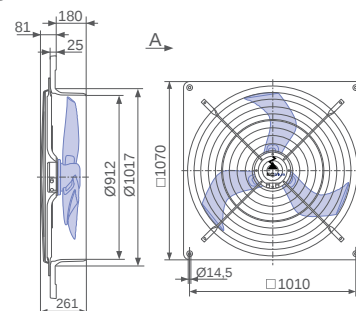
Design Q - square full bell mouth, without guard grille



L-KL-3036-01

Wall ring plate made of composite material

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



L-KL-3044-01

Wall ring plate made of composite material



Performance data

Type	Characteristic curve	Speed	Operating point	Current	Input power	Acoustic pressure level 7m L _{pA} dB(A)	Specific power
		n min ⁻¹		I A	P _{sys} W		P _{spez} Wh/1000m³
FF091-ZI_DG_3P1	I	950	①	5.00	1100		
			②	4.20	940		65.4
			③	3.90	840	53	34.2
			④	4.20	900	52	40.3
	II	760	⑤	2.60	560		
			⑥	2.30	480		41.6
			⑦	2.10	440	47	21.8
			⑧	2.30	480	47	28.3
	III	570	⑨	1.10	240		
			⑩	0.96	210		24.2
			⑪	0.88	190	40	12.7
			⑫	0.44	80		
	IV	380	⑬	0.40	70		12.5
			⑭	0.39	65	30	6.7

Current values determined at 230V

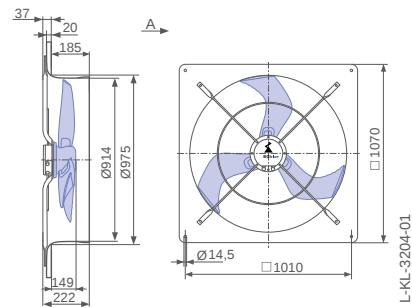
Fan ordering information

Airflow direction A					
Design	T (without guard grille)	Q (without guard grille)	Q (guard grille suction side)	Q (without guard grille)	Q (guard grille suction side)
					
Type	FF091-ZIT.DG.A3P1	FF091-ZIQ.DG.A3P1	FF091-ZIQ.DG.A3P1	FF091-ZIQ.DG.A3P1	FF091-ZIQ.DG.A3P1
0-10 V					
Article no.	159983	159981	159982	166953	166955
10-0 V					
Article no.	159988	159986	159987	166954	166956
Wall ring plate		Wall ring plate made of composite material	Wall ring plate made of composite material	Wall ring plate made of galvanized sheet steel	Wall ring ring plate made of galvanized sheet steel
Weight kg	16.00	25.70	30.30	29.00	33.80
Supply temperature -10 °C - max 40 °C in design with wall ring plate made of composite material					

Control technology

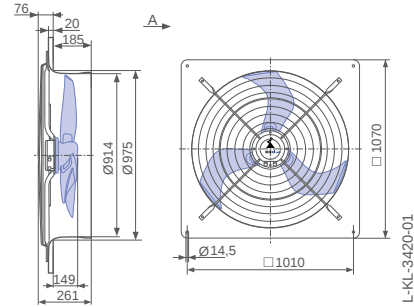
Control module UNIcon Zenec switch	
	
Page 130	Page 158

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