

FE 2 owlet-EC blue

for three phase alternating current, 380-480 V

F N 1 2 5



Description

Motor technology: EC
Rated voltage U_N : 3~ 380-480 V*
Rated frequency f_N : 50/60 Hz*
Input power P_{sys} : 3.10 kW*
Rated current I_N : 5.00- 3.90 A*
Rated speed n_N : 680 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
Number of blades: 3
Degree of protection : IP55
Motor protection: Integrated active temperature management
Blades: Aluminium, powder-coated, ultramarine blue
Rotor: Aluminium, 2 coat paint, ultramarine blue
Conformity: ErP 2015, CE, UL

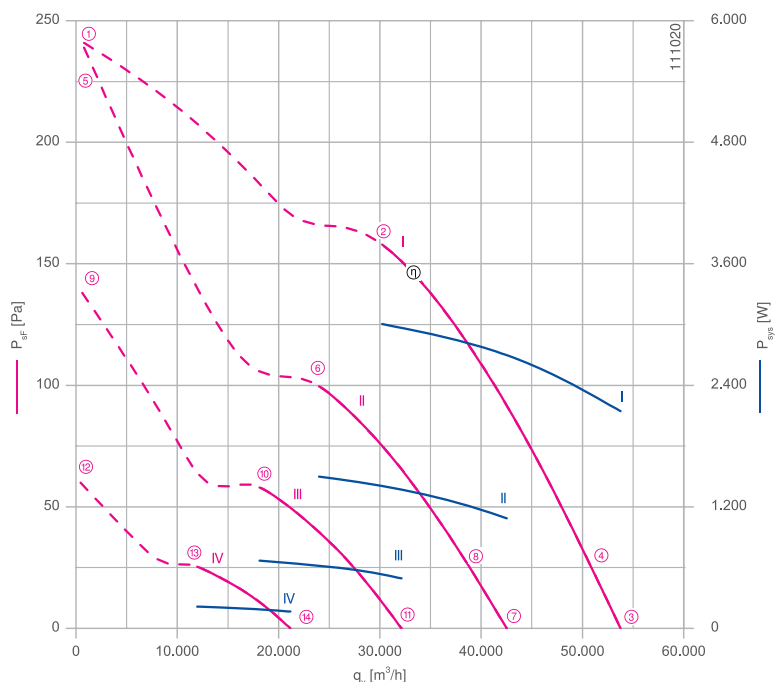
ErP-data

Efficiency η_{statA} : 49.7 %
Efficiency: $N_{actual} = 53.0 / N_{target} = 40^{**}$
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 172
1360-403

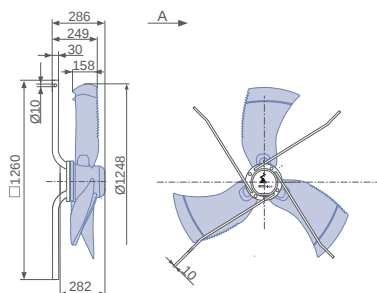
System components

Page 110

Dimensions mm

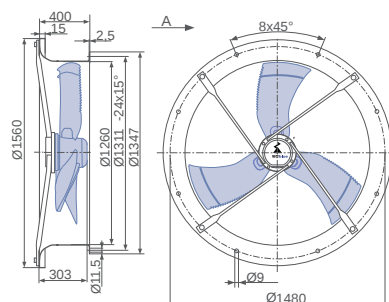
Airflow direction A

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



L-KL-3380-01

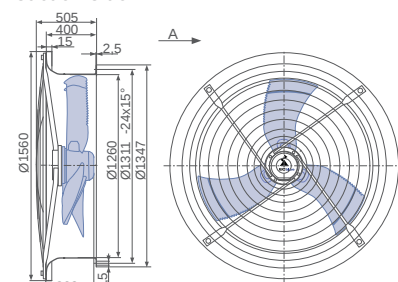
Design L - round full bell mouth, without guard grille



L-KL-3381-01

Wall ring plate made of galvanized sheet steel

Design L - round full bell mouth, guard grille suction side



L-KL-3221-09

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
FN125-ZL_GQ_3P1	I	680	①	4.20	2700		
			②	4.60	3000		100.9
			③	3.30	2100	55	39.9
			④	3.60	2400	54	46.7
	II	540	⑤	4.00	2700		
			⑥	2.40	1500		63.2
			⑦	1.80	1100	48	25.6
			⑧	2.00	1250	47	32.6
	III	410	⑨	1.85	1150		
			⑩	1.25	660		36.9
			⑪	1.00	500	40	15.4
	IV	270	⑫	0.82	350		
			⑬	0.64	210		17.9
			⑭	0.56	170	31	7.8

Current values determined at 400V

Fan ordering information

Airflow direction A			
Design	T (without guard grille)	L (without guard grille)	L (guard grille suction side)
			
Type	FN125-ZIT.GQ.A3P1	FN125-ZIL.GQ.A3P1	FN125-ZIL.GQ.A3P1
Article no.	168041	168042	168043
Wall ring plate		Wall ring plate made of galvanized sheet steel	Wall ring plate made of galvanized sheet steel
Weight kg	44.50	89.60	97.30

Control technology

Control module UNIcon Zenec switch

	
Page 130	Page 158