

FE 2 owlet-EC blue with Z Aplus

for three phase alternating current, 380-480 V

Z N 0 8 0



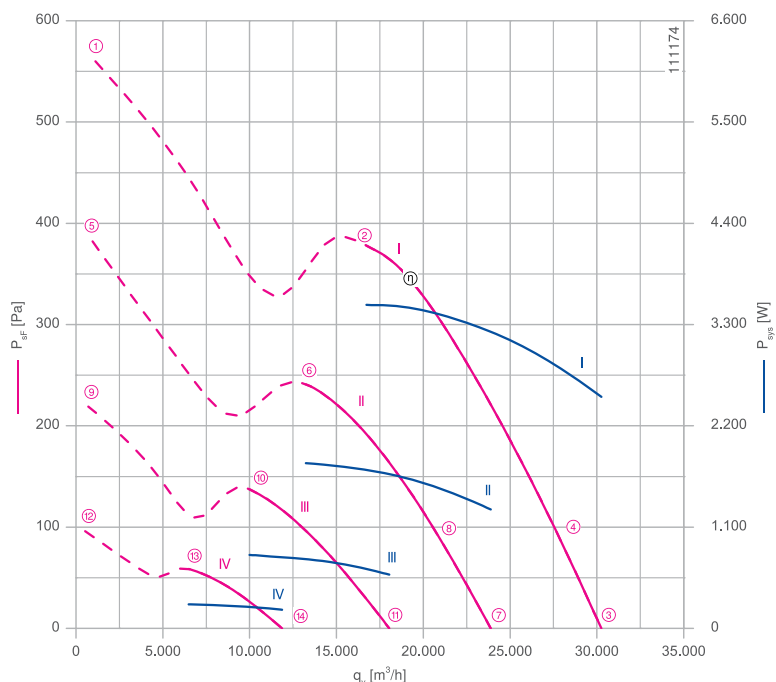
Description

Motor technology: EC
Rated voltage U_N : 3~ 380-480 V*
Rated frequency f_N : 50/60 Hz*
Input power P_{sys} : 3.50 kW*
Rated current I_N : 5.60- 4.40 A*
Rated speed n_N : 1180 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: 7
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} : 56.3 %
Efficiency: $N_{actual} = 59.2 / N_{target} = 40^{**}$
EC controller integrated
* Rated data
**ErP 2015

Characteristic curve



Measured in Z Aplus without guard grille in installation type A according to ISO 5801

Connection diagram

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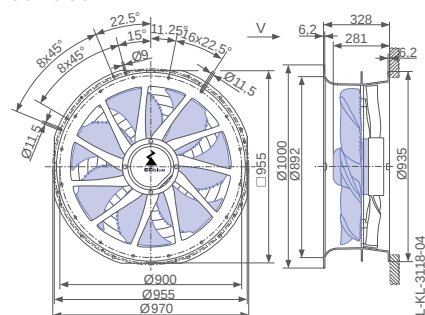
System components

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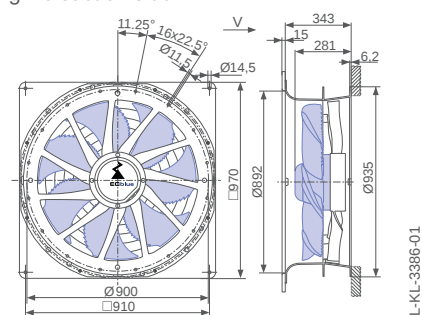
Dimensions mm

Airflow direction

Design L - Z Aplus Ontop, guard grille suction side

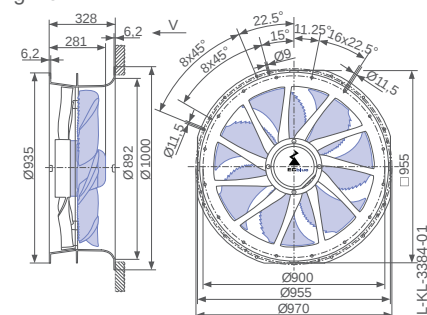


Design Q - Z Aplus with adapter plate, guard grille suction side



Airflow direction

Design L - Z Aplus Ontop without guard grille



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
ZN080-ZI_GL.V7P3	I	1180	①	6.80	4600		
			②	5.40	3500		211.7
			③	3.90	2500	59	83.1
			④	4.40	2900	57	104.2
	II	940	⑤	3.80	2500		
			⑥	2.80	1800		135.2
			⑦	2.10	1300	53	54.1
			⑧	2.50	1550	51	76.0
	III	710	⑨	1.75	1100		
			⑩	1.35	800		79.7
			⑪	1.05	580	46	32.3
	IV	470	⑫	0.74	340		
			⑬	0.62	260		39.8
			⑭	0.52	200	37	17.0

Current values determined at 400V

Fan ordering information

[illegible]

Control technology

Control module UNIcon Zenec switch

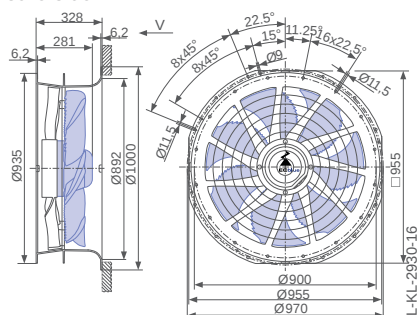


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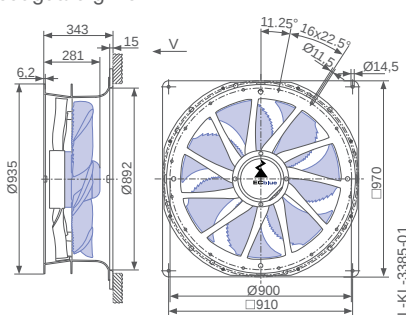


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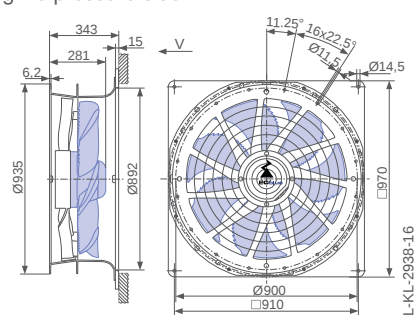
Design L - ZAprus Ontop, guard grille pressure side



Design Q - ZApplus with adapter plate, without guard grille



Design Q - ZAlplus with adapter plate, guard grille pressure side



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Description

Motor technology: EC
Rated voltage U_N : 3~ 380-480 V*
Rated frequency f_N : 50/60 Hz*
Input power P_{sys} : 4.00 kW*
Rated current I_N : 6.60- 5.20 A*
Rated speed n_N : 1250 min⁻¹*
Thermal class: THCL155*
Min. permitted ambient temperature $t_{R(min)}$: -35 °C
Max. permitted ambient temperature $t_{R(max)}$: 45 °C
Electrical connection: Integrated controller
Number of blades: 7
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

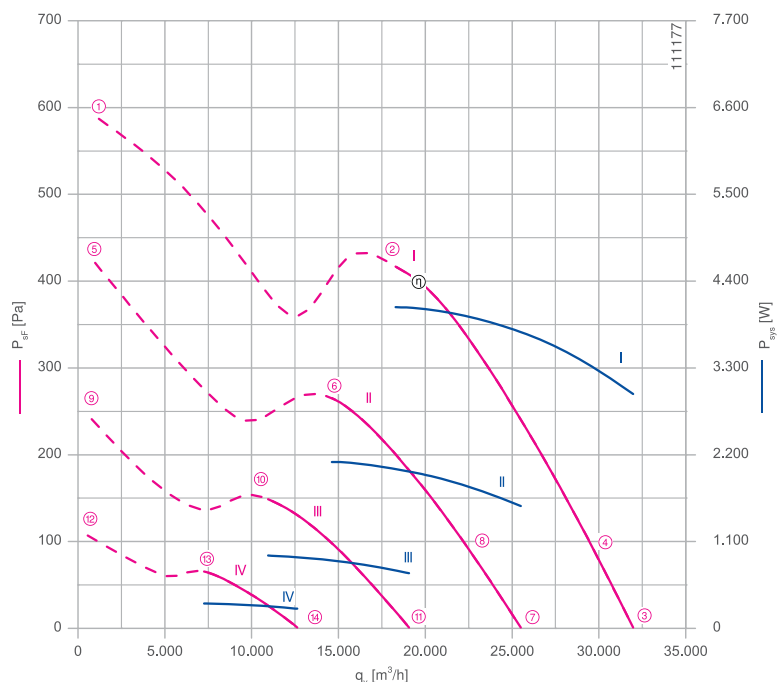
ErP-data

Efficiency η_{statA} : 57.7 %
Efficiency: $N_{actual} = 60.2 / N_{target} = 40^{**}$
EC controller integrated

* Rated data

**ErP 2015

Characteristic curve



Measured in ZAplus without guard grille in installation type A according to ISO 5801

Connection diagram

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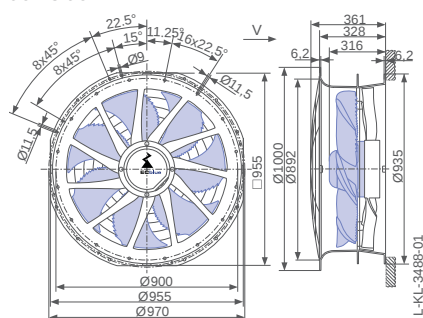
System components

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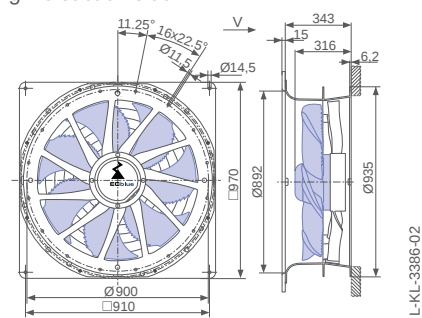
Dimensions mm

Airflow direction

Design L - ZAplus Ontop, guard grille suction side

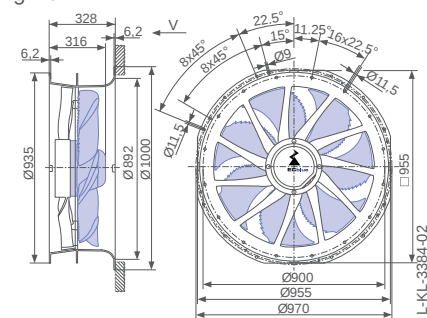


Design Q - ZAplus with adapter plate, guard grille suction side



Airflow direction

Design L - ZAplus Ontop without guard grille

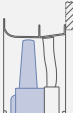
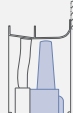
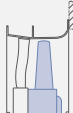


Performance data

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/1000m ³
ZN080-ZI_GQ.V7P3	I	1250	①	7.40	4800		
			②	6.20	4000		224.7
			③	4.60	3000	61	92.9
			④	5.20	3400	60	113.7
	II	1000	⑤	4.40	2900		
			⑥	3.20	2100		146.0
			⑦	2.40	1550	55	60.8
			⑧	2.80	1850	53	82.9
	III	750	⑨	2.00	1250		
			⑩	1.55	920		85.4
			⑪	1.20	700	48	36.6
	IV	500	⑫	0.86	420		
			⑬	0.70	310		43.8
			⑭	0.60	250	39	19.7

Current values determined at 400V

Fan ordering information

Airflow direction		Airflow direction				
Design	L (guard grille suction side) Ontop	Q (guard grille suction side)	L (without guard grille) Ontop	L (guard grille pressure side) Ontop	Q (without guard grille)	Q (guard grille pressure side)
						
Type	ZN080-ZIL.GQ.V7P3	ZN080-ZIQ.GQ.V7P3	ZN080-ZIL.GQ.V7P3	ZN080-ZIL.GQ.V7P3	ZN080-ZIQ.GQ.V7P3	ZN080-ZIQ.GQ.V7P3
Article no.	169053	169054	168061	168062	168063	168064
Weight kg	50.60	54.00	47.50	49.00	50.60	52.10
ZAplus attachable on both sides.						

Control technology

Control module UNIcon Zenec switch

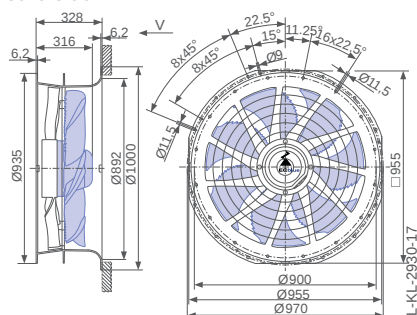


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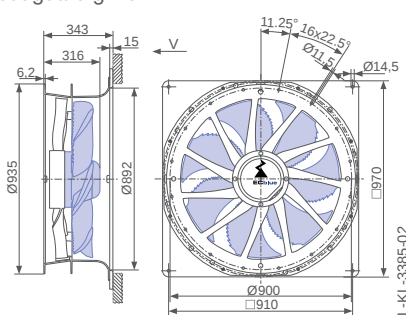


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Design L - ZAprus Ontop, guard grille pressure side



Design Q - ZApplus with adapter plate, without guard grille



Design Q - ZAlplus with adapter plate, guard grille pressure side

