

Fiche produit Motralec Ziehl Abegg Fe2Owlet Ecblue With Zaplus ZN045 - fiche technique | Motralec

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FE2owlet with ZAPlus, EC-Technology Addendum fans for railroad engineering
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FE2owlet-ECblue with ZAPlus

for direct current, 110 V

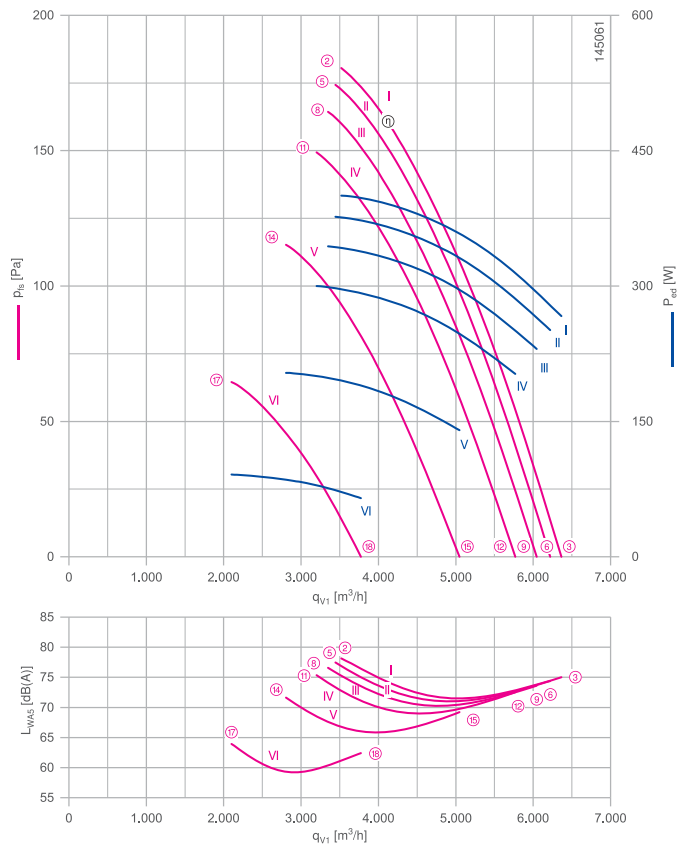
ZN045



Description

Motor technology: EC
 Rated voltage U_N : **DC 110 V***
 Rated frequency f_N : **50/60 Hz***
 Input power P_{ed} : **400 W***
 Rated current I_N : **3.60 A***
 Rated speed n_N : **1460 min⁻¹***
 Thermal class: **THCL155***
 Min. permitted ambient temperature $t_{amb(min)}$: **-35 °C*****
 Max. permitted ambient temperature $t_{amb(max)}$: **40 °C**
 Electrical connection: Integrated controller
 Number of blades: 7
 Degree of protection : IP54
 Motor protection: Integrated active temperature management
 Blades: High Performance Composite Material, uncoated, black
 Rotor: Steel, 2 coat paint, ultramarine blue
 Conformity: CE
 * Rated data
 *** Continuous operation with occasional starts (S1) according to DIN EN 60034-1:2011-02. Occasional starting between -35 °C and -25 °C is permissible. Continuous operation below -25 °C only with special bearings for refrigeration applications on request.

Characteristic curve



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

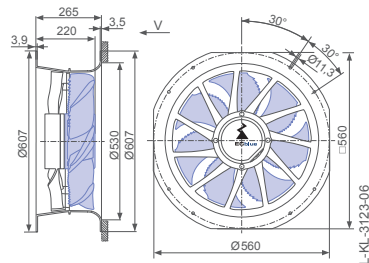
Connection diagram

1360-384

Dimensions mm



Design L - ZAPlus Ontop without guard grille



Performance data

Type	Characteristic curve	Speed	Operating point	Current	Input power	Suction side sound power level	Maximum ambient temperature
		n min ⁻¹		I A	P _{ed} W	L _{WAS} dB(A)	t _{amb (max.)} °C
ZN045-6L_BD.V7P2	I	1460*	②	3.60*	400	78	40
		1460	③	2.40	270	75	
		1430	④	3.40	380	78	
	II	1430	⑤	2.30	250	74	50
			⑥	3.10	340	77	
			⑦	2.10	230	74	
	III	1390	⑧	2.70	300	76	60
			⑨	1.85	200	73	
			⑩	1.85	200	72	
	IV	1330	⑪	1.25	140	69	70
			⑫	0.82	90	64	
			⑬	0.58	65	62	
	V	1170	⑭				
			⑮				
			⑯				
	VI	880	⑰				
			⑱				
			⑲				

*rated data

Fan ordering information

Air flow direction V

Design L (without guard grille)
Ontop

Installation position H/Vu/Vo




Type **ZN045-6IL.BD.V7P2**
Article no. **179754**

Weight kg 9.20

Control technology

Operating terminal



FE2owlet-ECblue with ZAplus

for three phase alternating current, 380-480 V

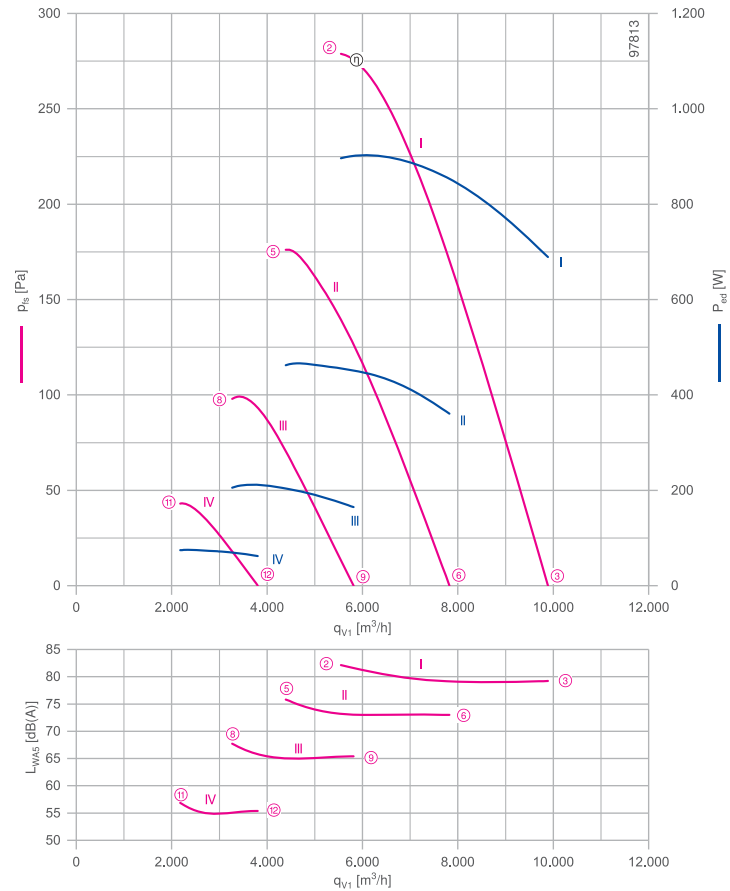
ZN050



Description

Motor technology: EC
 Rated voltage U_N : 3~ 380-480 V*
 Rated frequency f_N : 50/60 Hz*
 Input power P_{ed} : 0.90 kW*
 Rated current I_N : 1.55- 1.25 A*
 Rated speed n_N : 1550 min⁻¹*
 Thermal class: THCL155*
 Min. permitted ambient temperature $t_{amb(min)}$: -35 °C***
 Max. permitted ambient temperature $t_{amb(max)}$: 60 °C
 Electrical connection: Integrated controller
 Number of blades: 7
 Degree of protection : IP54
 Motor protection: Integrated active temperature management
 Blades: High Performance Composite Material, uncoated, black
 Rotor: Steel, 2 coat paint, ultramarine blue
 Conformity: CE
 * Rated data
 *** Continuous operation with occasional starts (S1) according to DIN EN 60034-1:2011-02. Occasional starting between -35 °C and -25 °C is permissible. Continuous operation below -25 °C only with special bearings for refrigeration applications on request.

Characteristic curve



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

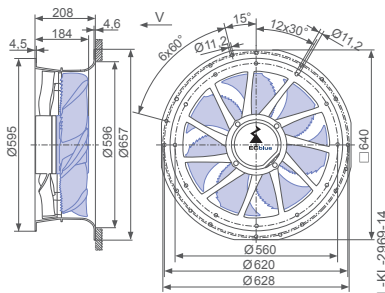
Connection diagram

1360-403

Dimensions mm



Design L - ZAplus Ontop without guard grille



Performance data

Type	Characteristic curve	Speed	Operating point	Current	Input power	Suction side sound power level
		n min ⁻¹		I A	P _{ed} W	L _{WA5} dB(A)
ZN050-ZL_DC.V7P2	I	1550	②	1.45	900	82
			③	1.20	680	79
	II	1240	④	0.90	460	76
			⑤	0.76	360	73
	III	930	⑥	0.54	210	68
			⑦	0.46	160	65
	IV	620	⑧	0.29	75	57
			⑨	0.26	60	55

Current values determined at 400V

Fan ordering information

Air flow direction V

Design L (without guard grille)
Ontop

Installation position H/Vu/Vo




Type ZN050-ZIL.DC.V7P2
Article no. 179755

Weight kg 13.90

Control technology

Add-on modules Operating terminal



FE2owlet-ECblue with ZPlus

for three phase alternating current, 380-480 V

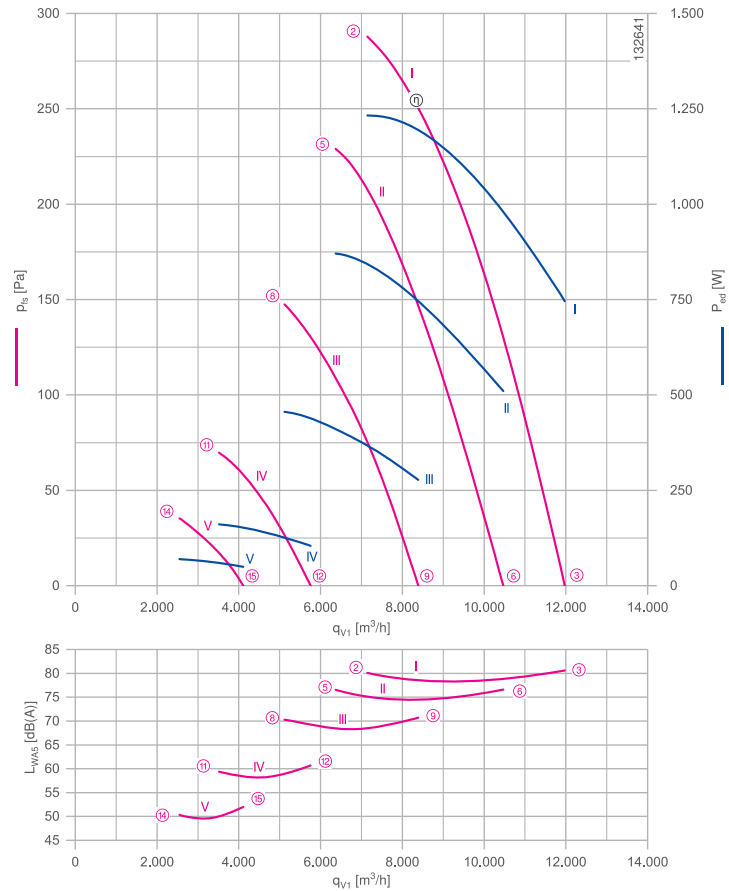
ZN056



Description

Motor technology: EC
 Rated voltage U_N : 3~ 380-480 V*
 Rated frequency f_N : 50/60 Hz*
 Input power P_{ed} : 1.25 kW*
 Rated current I_N : 2.00- 1.60 A*
 Rated speed n_N : 1440 min⁻¹*
 Thermal class: THCL155*
 Min. permitted ambient temperature $t_{amb(min)}$: -35 °C***
 Max. permitted ambient temperature $t_{amb(max)}$: 50 °C
 Electrical connection: Integrated controller
 Number of blades: 5
 Degree of protection : IP54
 Motor protection: Integrated active temperature management
 Blades: High Performance Composite Material, uncoated, black
 Rotor: Steel, 2 coat paint, ultramarine blue
 Conformity: CE
 * Rated data
 *** Continuous operation with occasional starts (S1) according to DIN EN 60034-1:2011-02. Occasional starting between -35 °C and -25 °C is permissible. Continuous operation below -25 °C only with special bearings for refrigeration applications on request.

Characteristic curve



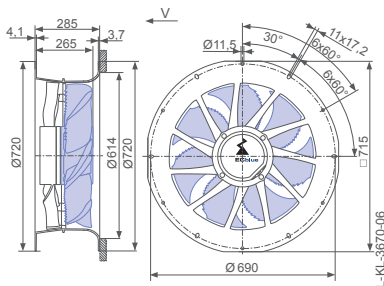
Connection diagram

1360-403

Dimensions mm



Design L - ZPlus Ontop without guard grille



Performance data

Type	Characteristic curve	Speed	Operating point	Current	Input power	Suction side sound power level	Maximum ambient temperature
		n min ⁻¹		I A	P _{ed} W	L _{WAS} dB(A)	t _{amb} (max.) °C
ZN056-ZL_DC.V5P4	I	1450	②	1.95	1250	80	50
			③	1.25	740	81	
			⑤	1.45	880	76	
	II	1270	⑥	0.96	520	77	60
			⑧	0.88	460	70	
			⑨	0.64	280	71	
	IV	700	⑪	0.46	160	59	70
			⑫	0.34	100	61	
	V	500	⑭	0.27	70	51	
			⑮	0.23	50	52	

Current values determined at 400V

Fan ordering information

Air flow direction V

Design L (without guard grille)
Ontop

Installation position H/Vu/Vo




Type ZN056-ZIL.DC.V5P4
Article no. 179756

Weight kg 16.70

Control technology

Add-on modules Operating terminal



FE2owlet-ECblue with ZPlus

for three phase alternating current, 380-480 V

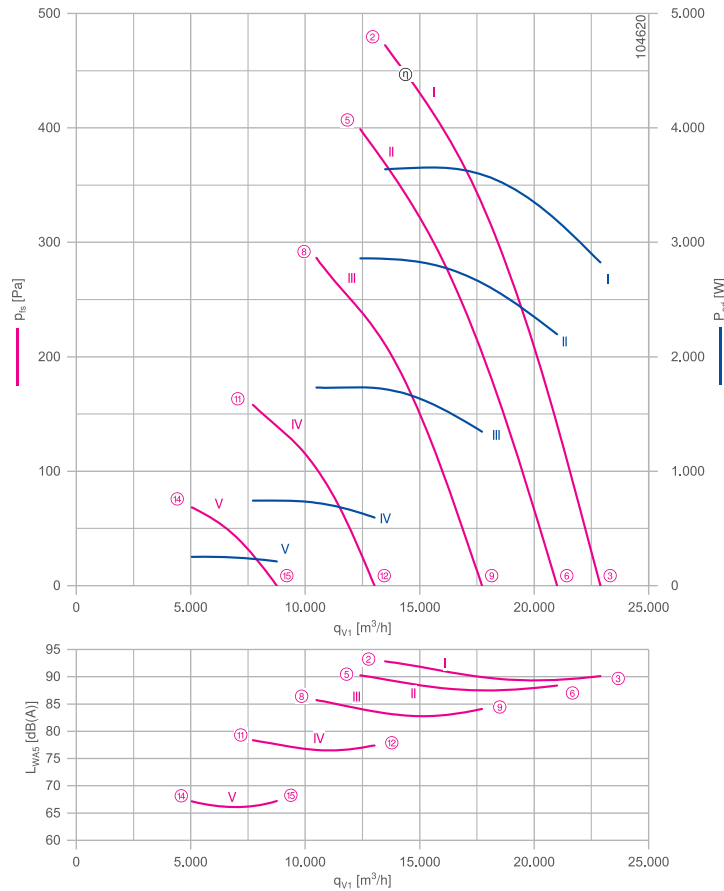
ZN063



Description

Motor technology: EC
 Rated voltage U_N : 3~ 380-480 V*
 Rated frequency f_N : 50/60 Hz*
 Input power P_{ed} : 3.70 kW*
 Rated current I_N : 6.00- 4.70 A*
 Rated speed n_N : 1600 min⁻¹*
 Thermal class: THCL155*
 Min. permitted ambient temperature $t_{amb(min)}$: -35 °C***
 Max. permitted ambient temperature $t_{amb(max)}$: 55 °C
 Electrical connection: Integrated controller
 Number of blades: 7
 Degree of protection : IP54
 Motor protection: Integrated active temperature management
 Blades: Aluminium, powder-coated, jet black
 Rotor: Aluminium, 1 coat paint, ultramarine blue
 Conformity: CE
 * Rated data
 *** Continuous operation with occasional starts (S1) according to DIN EN 60034-1:2011-02. Occasional starting between -35 °C and -25 °C is permissible. Continuous operation below -25 °C only with special bearings for refrigeration applications on request.

Characteristic curve



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

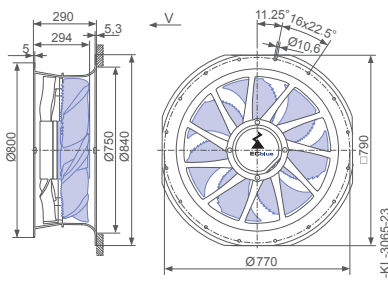
Connection diagram

1360-403

Dimensions mm



Design L - ZPlus Ontop without guard grille



Type	Characteristic curve	Speed	Operating point	Current	Input power	Suction side sound power level	Maximum ambient temperature
		n min ⁻¹		I A	P _{ed} W	L _{WAS} dB(A)	t _{amb (max.)} °C
ZN063-ZI_GL.V7P3	I	1600	②	5.60	3600	93	55
			③	4.40	2800	90	
			④	4.40	2900	90	
	II	1480	⑤	3.40	2200	88	60
			⑥	2.70	1700	86	
			⑦	2.10	1350	84	
	III	1250	⑧	1.25	740	78	
			⑨	1.05	600	77	
			⑩	0.58	250	67	
	IV	930	⑪	0.52	210	67	
			⑫				
			⑬				
	V	620	⑭				
			⑮				
			⑯				

Current values determined at 400V

Fan ordering information

Air flow direction V

Design L (without guard grille)
Ontop

Installation position H/Vu/Vo



Type **ZN063-ZI_GL.V7P3**
Article no. **179757**

Weight kg 37.42

Control technology

Add-on modules

Operating terminal



Besoin d'un prix ou d'un conseil technique ?

Ventilateur Ziehl Abegg FE2OWLET ECBLUE WITH ZAPLUS ZN045



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