

Fiche produit Motralec Ziehl Abegg Fe2Owlet With Zaplus ZN050 AD 1 - fiche technique | Motralec

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Oil transformer cooling Fans for transformer cooling
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FE2owlet with ZApplus

for three phase alternating current, 8-8 pole

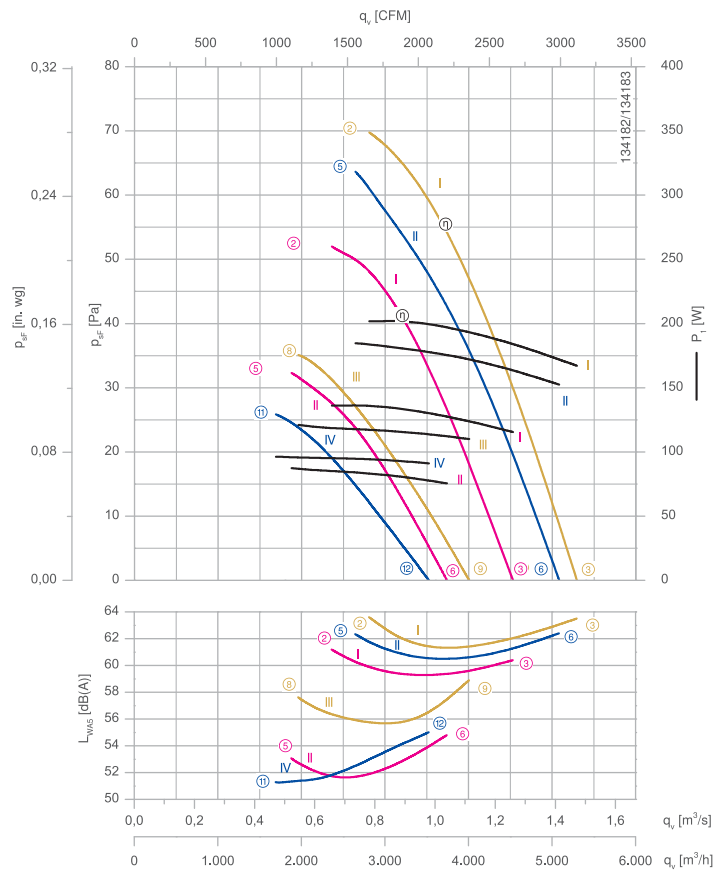
ZN050-AD



Description

Motor technology: AC
 Rated voltage $U_N \pm 10\%$:
3- 400 V (Δ/Y) | 3-400 V (Δ/Y) | 3-460 V (Δ/Y) *
 Rated frequency f_N : **50 Hz | 60 Hz | 60 Hz***
 Input power P_i :
130/80 W | 180/90 W | 200/120 W*
 Rated current I_N :
0.32/0.155 A | 0.35/0.18 A | 0.36/0.19 A*
 Rated speed n_N :
670/530 min⁻¹ | 740/470 min⁻¹ | 780/540 min⁻¹*
 Speed n at $p_{stat} = 0$ Pa:
690/580 min⁻¹ | 780/540 min⁻¹ | 810/620 min⁻¹*
 Motor input power P at $p_{stat} = 0$ Pa:
110/70 W | 150/90 W | 160/110 W*
 Air flow q_v at $p_{stat} = 0$ Pa:
1.25/1.05 m³/s | 1.4/1.0 m³/s | 1.45/1.1 m³/s*
 Starting current I_A : **0.8/0.26 A | 0.7/0.22 A | 0.8/0.26 A**
 Current increase ΔI : **0 % | 0 % | 0 %**
 Thermal class: THCL155*
 Min. permitted ambient temperature $t_{R(min)}$: **-40 °C*****
 Max. permitted ambient temperature $t_{R(max)}$:
70 °C | 70 °C | 70 °C
 Electrical connection: Terminal box
 Number of blades: 7
 Degree of protection : IP54
 Motor protection: thermal contact
 Blades: Aluminium, 2 coat paint, RAL 9005 (jet black)
 Rotor: Aluminium, 2 coat paint, RAL 9005 (jet black)
 Conformity: ErP 2015, CE
ErP-data
 Efficiency η_{statA} : 30.6 %
 Efficiency: $N_{actual} = 42.5 / N_{target} = 40$ **
 * Rated data
 **ErP 2015

Characteristic curve



Measured in ZApplus and guard grille on suction side in installation type A according to ISO 5801.

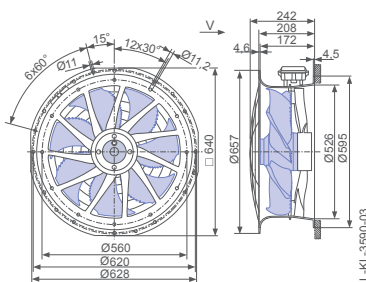
*** Continuous operation with occasional starts (S1) according to DIN EN 60034-1:2011-02. Occasional starting between -40 °C and -25 °C is permissible. Continuous operation below -25 °C only with special bearings for refrigeration applications on request.

Connection diagram Page 252
 1360-108XA
 System components Page 184

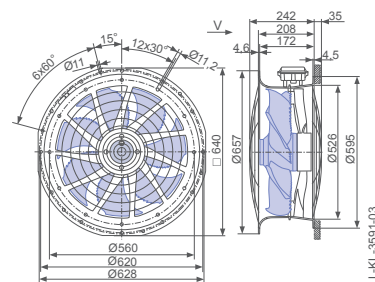
Dimensions mm

Airflow direction

Design L - ZApplus, guard grille suction side with connection box



Design L - ZApplus, guard grille two-sided with connection box





Type	Connection	Characteristic curve	Voltage	Frequency	Operating point	Current	Input power	Speed	Suction side sound power level			
			U V	f Hz		I A	P _i W	n min ⁻¹	L _{WAS} dB(A)			
ZN050-AD_4C_7P1	Δ	I	400*	50	②	0.32*	140*	670*	61			
					③	0.31*	120*	690*	60			
					⑤	0.15*	85*	530*	53			
		Y			II	⑥	0.14*	75*	580*	55		
						Δ	I	②	0.36*	200*	780*	64
								③	0.32*	170*	810*	64
	Y	II	400*	⑤	0.35*	180*	740*	62				
				⑥	0.31*	150*	780*	62				
				Y	III	⑧	0.19*	120*	540*	58		
		⑨	0.17*			110*	620*	59				
		IV	⑪			0.18*	95*	470*	52			
			⑫	0.17*	90*	540*	55					

*rated data

Fan ordering information

Airflow direction

Design	L (guard grille suction side)	L (guard grille two-sided)
		
Type	ZN050-ADL.4C.V7P1	ZN050-ADL.4C.V7P1
Article no.	175107/10K4	175107/10K6
Weight kg	13.60	14.80
ZAplus attachable on both sides.		

Control technology

Frequency inverters Fcontrol 3~	Motor protection units 3~	Electronic voltage controllers 3~
		
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Besoin d'un prix ou d'un conseil technique ?

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