

**Fiche produit Motralec Ziehl Abegg Fe2Owlet With Zaplus ZN091 ND - fiche technique | Motralec**

■ **DEMANDE DE PRIX RAPIDE : <https://www.motralec.com/demandeContact>**

Oil transformer cooling  
Size 910

Addendum fans for transformer cooling  
02/2020

# FE2owlet with Zaplus

for three phase alternating current, 12-12 pole

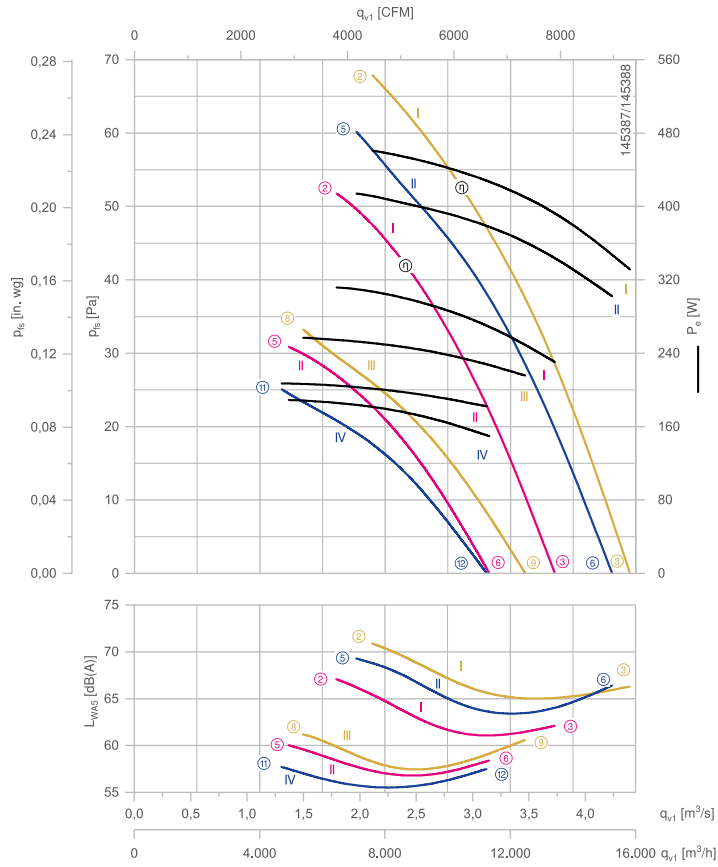
ZN091-ND



**Description**

Motor technology: AC  
 Rated voltage  $U_N \pm 10\%$  :  
**3~400 V ( $\Delta/Y$ ) | 3~400 V ( $\Delta/Y$ ) | 3~460 V ( $\Delta/Y$ ) \***  
 Rated frequency  $f_N$ : **50 Hz | 60 Hz | 60 Hz\***  
 Input power  $P_e$  :  
**310/190 W | 420/210 W | 460/260 W\***  
 Rated current  $I_N$  :  
**0.76/0.36 A | 0.84/0.40 A | 0.86/0.44 A\***  
 Rated speed  $n_N$  :  
**440/340 min<sup>-1</sup> | 470/310 min<sup>-1</sup> | 500/350 min<sup>-1</sup>\***  
 Speed n at  $p_{st} = 0$  Pa:  
**460/390 min<sup>-1</sup> | 520/390 min<sup>-1</sup> | 540/430 min<sup>-1</sup>\***  
 Power input  $P_e$  at  $p_{st} = 0$  Pa:  
**230/150 W | 380/180 W | 330/220 W\***  
 Air flow  $q_{v1}$  at  $p_{st} = 0$  Pa:  
**3.7/3.2 m<sup>3</sup>/s | 4.2/3.1 m<sup>3</sup>/s | 4.4/3.5 m<sup>3</sup>/s\***  
 Starting current  $I_A$ : **1.8/0.6 A | 1.6/0.55 A | 1.9/0.6 A**  
 Current increase  $\Delta I$ : **0 % | 0 % | 0 %**  
 Thermal class: THCL155\*  
 Min. permitted ambient temperature  $t_{amb(min)}$ : **-40 °C\*\*\***  
 Max. permitted ambient temperature  $t_{amb(max)}$  :  
**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  $\eta_{statA}$ : **34.9 %**  
 Efficiency grade:  $N_{actual} = 44.7 / N_{target} = 40$ \*\*  
 \* Rated data  
 \*\*ErP 2015

**Characteristic curve**



Measured in Zaplus 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.

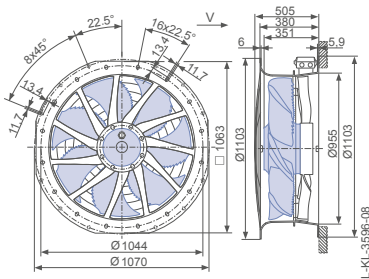
**Connection diagram**

1360-108XA

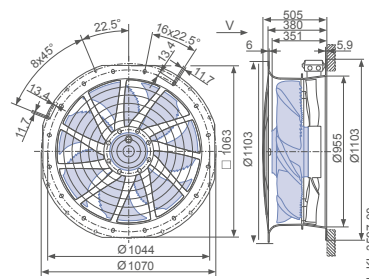
**Dimensions mm**

**Air flow direction**

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




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

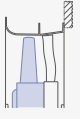
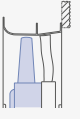


Type	Connection	Characteristic curve	Voltage	Frequency	Operating point	Current	Input power	Speed	Suction side sound power level $L_{WAS}$ dB(A)	
			U V	f Hz		I A	$P_g$ W	n min <sup>-1</sup>		
ZN091-ND_6N_7P2	Δ	I	400*	50	②	0.76*	310*	440*	67	
					③	0.70*	230*	460*	62	
					⑤	0.36*	190*	340*	60	
	⑥	0.31*	150*		390*	58				
	Δ	II	460*		60	②	0.86*	460*	500*	71
						③	0.72*	330*	540*	66
				⑤		0.82*	420*	470*	69	
	⑥	0.68*	300*	520*		66				
	Y	III	460*	60		⑧	0.44*	260*	350*	61
						⑨	0.36*	220*	430*	61
					⑪	0.40*	210*	310*	58	
	Y	IV	400*		60	⑫	0.35*	180*	390*	58

\*rated data

## Fan ordering information

**Air flow direction** 

Design	L (guard grille suction side)	L (guard grille two-sided)
		
<b>Type</b>	<b>ZN091-NDL.6N.V7P2</b>	<b>ZN091-NDL.6N.V7P2</b>
<b>Article no.</b>	<b>180433/10K4</b>	<b>180433/10K6</b>
<b>Weight kg</b>	45.40	47.30

ZAplus attachable on both sides.

## Control technology

Frequency inverters Fcontrol 3~	Motor protection units 3~	Electronic voltage controllers 3~
		

[www.motralec.com](http://www.motralec.com) / [service-commercial@motralec.com](mailto:service-commercial@motralec.com) / 01.39.97.65.10 

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

Ventilateur axial Ziehl-Abegg FE2OWLET



4,7/5 . +600 avis Google

- Devis rapide et conseil technique par nos spécialistes
- Plus de 200 000 références et 30 marques distribuées
- Vente, réparation, bobinage et SAV en atelier
- Livraison partout en France, accompagnement avant et après-vente

Voir la fiche technique sur notre site :

[www.motralec.com/.../ventilateur-axial-ziehl-abegg-fe2owlet](http://www.motralec.com/.../ventilateur-axial-ziehl-abegg-fe2owlet)

**DEMANDER UN PRIX >**