

Fiche produit Motralec Ziehl Abegg Fe2Owlet With Zaplus ZN045 VD 2 - fiche technique | Motralec

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

Oil transformer cooling Fans for transformer cooling  
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# FE2owlet with ZApplus

for three phase alternating current, 4-4 pole

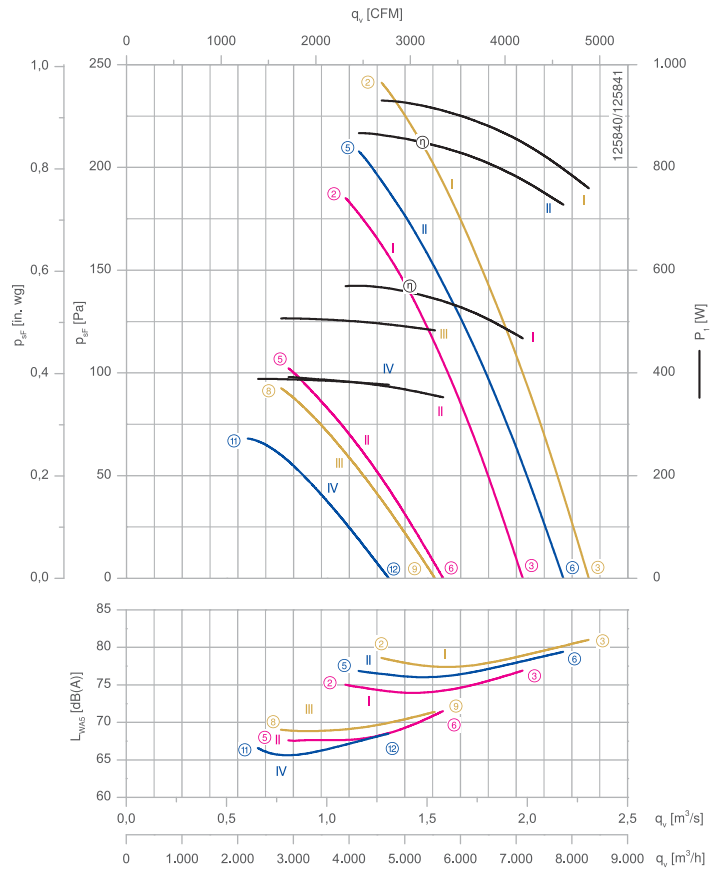
ZN045-VD



### 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  $P_i$  :  
 560/390 W | 860/390 W | 940/500 W\*  
 Rated current  $I_N$  :  
 1.10/0.70 A | 1.55/0.76 A | 1.45/0.84 A\*  
 Rated speed  $n_N$  :  
 1350/1000 min<sup>-1</sup> | 1430/810 min<sup>-1</sup> | 1540/960 min<sup>-1</sup>\*  
 Speed n at  $p_{stat} = 0$  Pa:  
 1380/1110 min<sup>-1</sup> | 1530/920 min<sup>-1</sup> | 1610/1080 min<sup>-1</sup>\*  
 Motor input power P at  $p_{stat} = 0$  Pa:  
 460/350 W | 720/380 W | 760/480 W\*  
 Air flow  $q_a$  at  $p_{stat} = 0$  Pa:  
 2.0/1.6 m<sup>3</sup>/s | 2.2/1.3 m<sup>3</sup>/s | 2.3/1.5 m<sup>3</sup>/s\*  
 Starting current  $I_A$ : 4.0/1.2 A | 3.6/1.0 A | 4.2/1.2 A  
 Current increase  $\Delta I$ : 10 % | 0 % | 5 %  
 Thermal class: THCL155\*  
 Min. permitted ambient temperature  $t_{R(min)}$ : -40 °C\*\*\*  
 Max. permitted ambient temperature  $t_{R(max)}$  :  
 70 °C | 50 °C | 50 °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  $\eta_{statA}$ : 41.6 %  
 Efficiency:  $\eta_{actual} = 49.6 / N_{target} = 40$ \*\*  
 \* Rated data  
 \*\*ErP 2015

### Characteristic curve



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

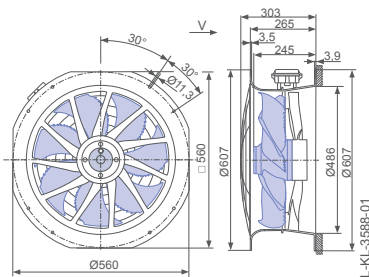
\*\*\* Continuous operation with occasional starts (S1) according to DIN EN 60034-1:2011-02. Occasional starting between -40 °C and -25 °C is permissible. Continuous operation below -25 °C only with special bearings for refrigeration applications on request.

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

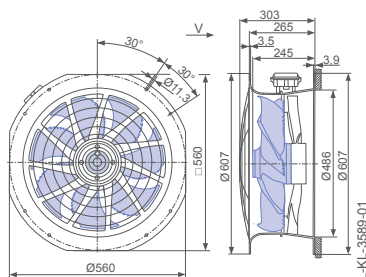
### Dimensions mm

#### Airflow direction

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



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



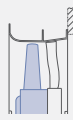
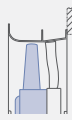
Type	Connection	Characteristic curve	Voltage	Frequency	Operating point	Current	Input power	Speed	Suction side sound power level			
			U V	f Hz		I A	P <sub>i</sub> W	n min <sup>-1</sup>	L <sub>WAS</sub> dB(A)			
ZN045-VDL.4F.V7P1	Δ	I	400*	50	②	1.10*	560*	1350*	75			
					③	0.96*	460*	1380*	77			
					⑤	0.70*	390*	1000*	68			
		Y			II	⑥	0.62*	350*	1110*	72		
						Δ	I	②	1.45*	940*	1540*	79
								③	1.25*	760*	1610*	81
	⑤	1.50*	860*	1430*	77							
	Y	III	⑥	1.30*	720*		1530*	79				
			IV	⑧	0.84*		500*	950*	69			
				⑨	0.78*		480*	1080*	71			
					⑪	0.76*	390*	810*	67			
				⑫	0.72*	380*	920*	69				

\*rated data

## Fan ordering information

### Airflow direction

Design L (guard grille suction side) L (guard grille two-sided)



Type ZN045-VDL.4F.V7P1 ZN045-VDL.4F.V7P1  
Article no. 176009/10K4 176009/10K6

Weight kg 14.20 14.80  
ZAplus attachable on both sides.

## Control technology

Frequency inverters  
Fcontrol 3~



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Motor protection units  
3~



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Electronic voltage  
controllers 3~



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

Ventilateur Ziehl Abegg FE2OWLET WITH ZAPLUS ZN045 VD 2



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

**DEMANDER UN PRIX >**