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Fiche produit Motralec Ziehl Abegg Fe2Owlet With Zaplus ZN091 VD 1 - fiche technique | Motralec

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

Oil transformer cooling [www.motralec.com](http://www.motralec.com) / service-commercial@motralec.com / 01.39.97.65.10 Fans for transformer cooling

# FE2owlet with ZApus

for three phase alternating current, 4-4 pole

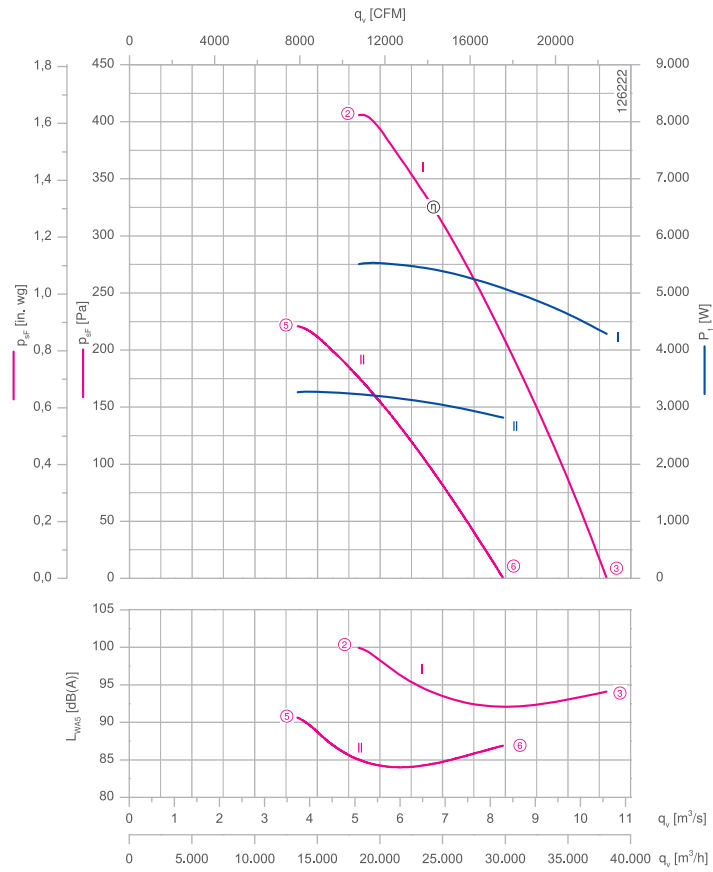
ZN091-VD



### Description

- Motor technology: AC
- Rated voltage  $U_N \pm 10\%$  : 3- 400 V ( $\Delta/Y$ )\*
- Rated frequency  $f_N$  : 50 Hz\*
- Input power  $P_1$  : 5.60/3.30 kW\*
- Rated current  $I_N$  : 9.00/5.20 A\*
- Rated speed  $n_N$  : 1230/910  $\text{min}^{-1}$ \*
- Speed  $n$  at  $p_{\text{stat}} = 0$  Pa: 1300/1020  $\text{min}^{-1}$ \*
- Motor input power  $P$  at  $p_{\text{stat}} = 0$  Pa: 4200/2800 W\*
- Air flow  $q_v$  at  $p_{\text{stat}} = 0$  Pa: 10.6/8.3  $\text{m}^3/\text{s}$ \*
- Starting current  $I_A$  : 32/10 A
- Current increase  $\Delta I$  : 0 %
- Thermal class: THCL155\*
- Min. permitted ambient temperature  $t_{R(\text{min})}$  : -40 °C\*\*\*
- Max. permitted ambient temperature  $t_{R(\text{max})}$  : 45 °C
- Electrical connection: Terminal box
- Number of blades: 5
- 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  $\eta_{\text{statA}}$  : 45.7 %
- Efficiency:  $N_{\text{actual}} = 47.6 / N_{\text{target}} = 40$ \*\*
- \* Rated data
- \*\*ErP 2015

### Characteristic curve



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

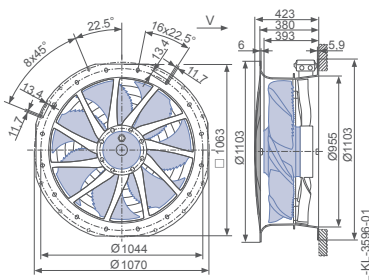
\*\*\* Continuous operation with occasional starts (S1) according to DIN EN 60034-1:2011-02. Occasional starting between -40 °C and -25 °C is permissible. Continuous operation below -25 °C only with special bearings for refrigeration applications on request.

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- System components Page 184

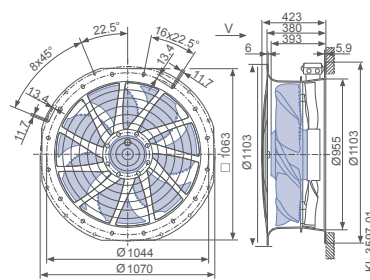
### Dimensions mm

#### Airflow direction

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




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

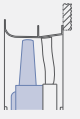
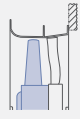


| Type              | Connection | Characteristic curve | Voltage | Frequency | Operating point | Current | Input power         | Speed                  | Suction side sound power level |
|-------------------|------------|----------------------|---------|-----------|-----------------|---------|---------------------|------------------------|--------------------------------|
|                   |            |                      | U<br>V  | f<br>Hz   |                 | I<br>A  | P <sub>i</sub><br>W | n<br>min <sup>-1</sup> | L <sub>WAS</sub><br>dB(A)      |
| ZN091-VDL.7Q.V5P1 | Δ          | I                    | 400*    | 50        | ②               | 8.80*   | 5400*               | 1230*                  | 100                            |
|                   |            |                      |         |           | ③               | 7.20*   | 4200*               | 1300*                  | 94                             |
|                   | Y          | II                   |         |           | ⑤               | 5.20*   | 3300*               | 910*                   | 91                             |
|                   |            |                      |         |           | ⑥               | 4.40*   | 2800*               | 1020*                  | 87                             |

\*rated data

### Fan ordering information

**Airflow direction** 

| Design                            | L (guard grille suction side)   | L (guard grille two-sided)  |
|-----------------------------------|---|---|
|                                   |  |  |
| <b>Type</b>                       | ZN091-VDL.7Q.V5P1   | ZN091-VDL.7Q.V5P1   |
| <b>Article no.</b>                | 176058/10K4   | 176058/10K6   |
| <b>Weight kg</b>                  | 60.30   | 62.20   |
| ZApplus attachable on both sides. |   |   |

### Control technology

| Frequency inverters<br>Fcontrol 3~   | Motor protection units<br>3~   | Electronic voltage<br>controllers 3~   |
|--|--|--|
|  |  |  |
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Information

Oil transformer cooling

Dry transformer cooling

System components

Control technology

Appendix

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

Ventilateur axial Ziehl-Abegg FE2OWLET



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- 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 >**