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**FN063-VDW.6N.A7P6 | 169014 | Portfolio Europe | FE2owlet AC**

Technical Description FE2owlet

## Range FN

### Standard design with AC-motor

- Profiled, sickle shaped blades designed with bionical know how
- Sizes 310 ... 800 mm (in 9 standard sizes)
- Optimized for full bell mouth
- 100% speed controllable
- ZIEHL-ABEGG FE2owlet fans can be used from -40°C\* up to 70°C.

### Mains voltage:

- 3~ zweitourig 400 V ±10% D/Y
- 3~ zweitourig 400/460 V ±10% D/Y

### Frequenz:

- 50 Hz
- 60 Hz

### Thermal class:

- THCL 155

### Protection:

- IP54

### Motor protection:

- Thermostat relay (TB)

### Material of impeller:

- Aluminium die-cast

### Painting:

- Fan in color RAL 9005 deep black
- Wall ring plate and suspension in color RAL 9005 deep black

### On request:

- Different paintings
- Fan designs

**\*Continuous operation with occasional starts (S1) according to DIN EN 60034-1: 2011-02. Occasional starting between -35 ° C and -25 ° C is permissible. Permanent operation below -25 ° C only possible with special bearings for refrigeration applications on request.**



## données ventilateur

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version FANselect V 1.01 (240618), AMCA V 1.03 September, 2021<br>RLT V 1.00 Dezember, 2021 / 1.24.06.18 | 1165 | (utilisateur paviot)



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### caractéristiques

moteur		AC
tension principale	-	3~ 400V 50Hz Y
intensité nominale (I <sub>N</sub> )	A	2.20
température ambiante (t <sub>r</sub> )	°C	70
rendement η <sub>statA</sub>	%	37,5
Rendement N <sub>actual</sub>   N <sub>target</sub>		<b>42,5</b>   40
classe ErP		2015
grille   influence		pressure side   measured

### données ventilateur

<b>classe-SFP</b>   valeur SFP (P <sub>SFP</sub> )	-   Ws/m <sup>3</sup>	<b>1</b>   304
FEI	-	0.94
débit (q <sub>v</sub> )	m <sup>3</sup> /h	13370
pression, <b>stat.</b> (p <sub>sF</sub> )   tot. (p <sub>F</sub> )	Pa	<b>32</b>   113
puissance absorbée (P <sub>i</sub> )	W	1128
rendement, <b>stat.</b> (η <sub>sF</sub> )   tot. (η <sub>F</sub> )	%	<b>10.4</b>   37.3
vitesse ventilateur ( <b>n</b> )   max. (n <sub>max</sub> )	1/min	<b>1269</b>   -
fréquence ( <b>f<sub>BP</sub></b> )   (f <sub>max</sub> )	Hz	<b>50</b>   60
tension au point de fonctionnement (U <sub>DP</sub> )	V	400
intensité au point de fonctionnement (I <sub>DP</sub> )	A	1.92
niveau sonore, coté aspiration ( <b>L<sub>w(A),5</sub></b> )   (L <sub>w,5</sub> )	dB	<b>81</b>   83
niveau sonore, coté refoulement ( <b>L<sub>w(A),6</sub></b> )   (L <sub>w,6</sub> )	dB	<b>82</b>   85
dimensions (LxIxh)	mm	778 x 778 x 273
poids (m <sub>pr</sub> )	kg	25.9

PF:PF\_61; Ano:169014; STol:+-10 %



## courbe debit/pression / Acoustic

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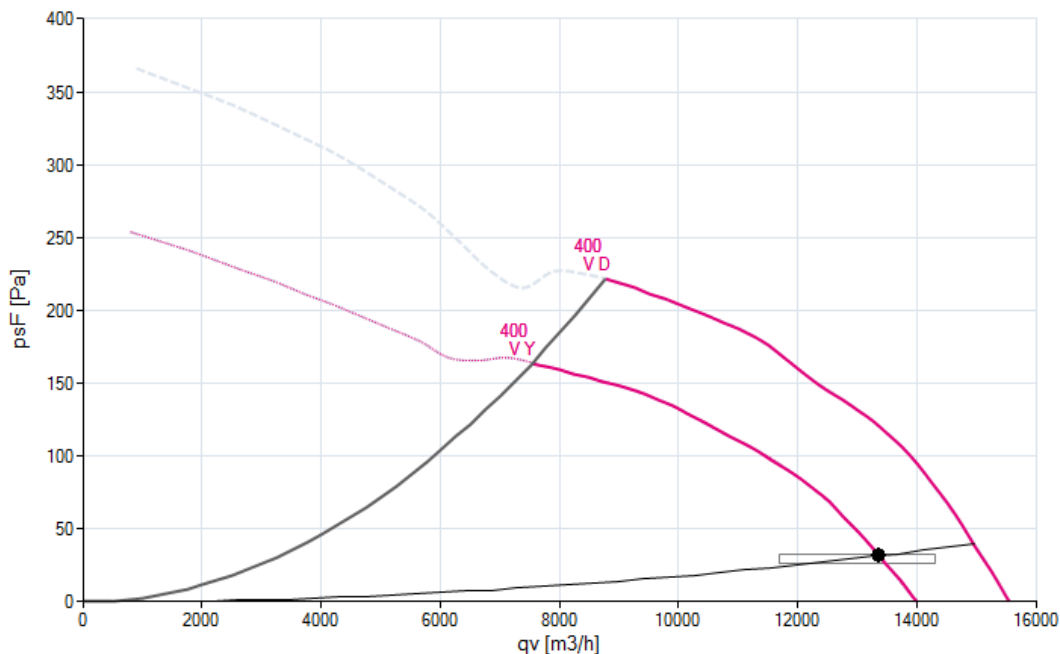
### 1 FN063-VDW.6N.A7P6

Measured in short nozzle with pressure side guard grille in air flow direction V in installation type A according to ISO5801

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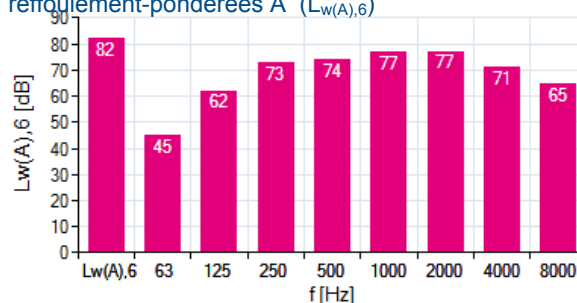
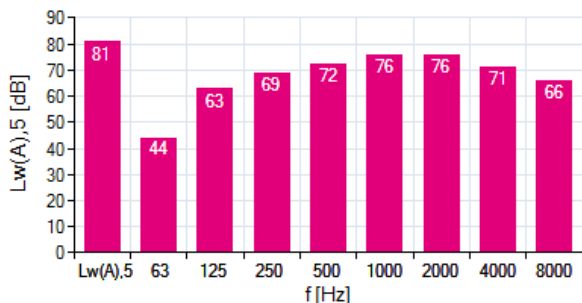
densité de mesure 1.15 [kg/m³]

### Performance aéraulique $p_{sF}$



### niveau de puissance acoustique côté aspiration-pondérées A (Niveau de puissance acoustique côté

refoulement-pondérées A ( $L_{w(A),6}$ )



### 1 FN063-VDW.6N.A7P6

f [Hz]	sum	63	125	250	500	1000	2000	4000	8000
$L_{w(A),5}$	81	44	63	69	72	76	76	71	66
$L_{w,5}$	83	70	77	76	75	76	74	70	67

f [Hz]	sum	63	125	250	500	1000	2000	4000	8000
$L_{w(A),6}$	82	45	62	73	74	77	77	71	65
$L_{w,6}$	85	70	77	80	77	77	76	70	66



## rendement / puissance

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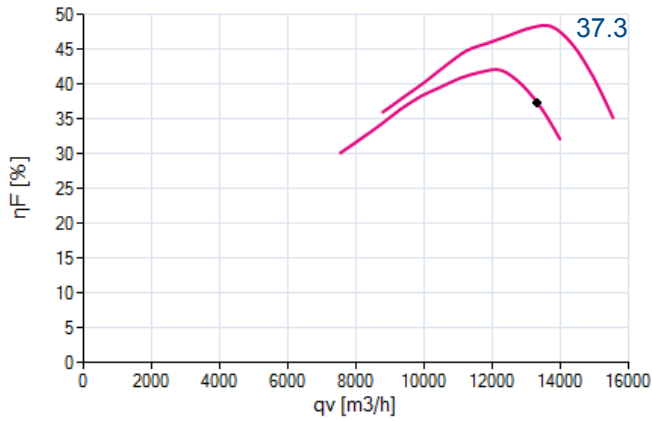
**FN063-VDW.6N.A7P6**

Measured in short nozzle with pressure side guard grille in air flow direction V in installation type A according to ISO5801

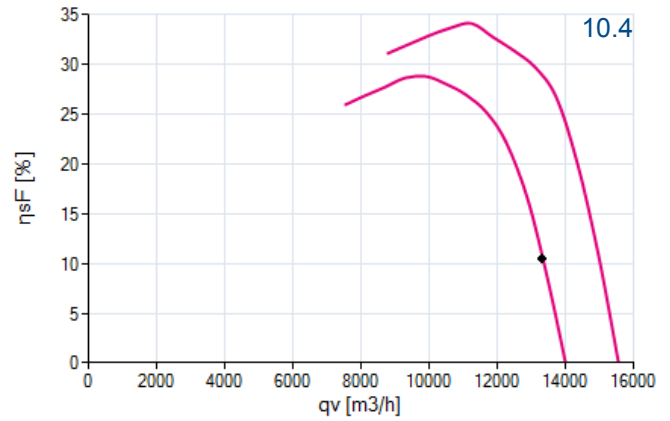
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densité de mesure 1.15 [kg/m³]

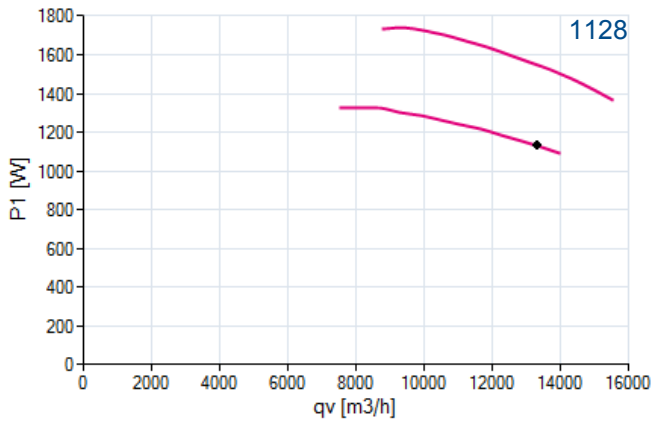
rendement  $\eta_F$



rendement  $\eta_{sF}$



puissance  $P_1$



## valeur nominale

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3~ 400V +10/-10 D/Y 50Hz P1 1.75/1.35kW P2 1.35/0.92kW  
 3.70/2.20A DI=5% 1400/1210/MIN COSY 0.68 70°C  
 3~ 400V +10/-10 D/Y 60Hz P1 2.80/1.80kW P2 2.00/0.92kW  
 4.80/3.00A DI=5% 1580/1210/MIN COSY 0.84 60°C  
 3~ 460V +10/-10 D/Y 60Hz P1 2.90/2.10kW P2 2.20/1.20kW  
 4.60/3.00A DI=10% 1640/1330/MIN COSY 0.80 60°C  
 IP54 THCL155

## plan

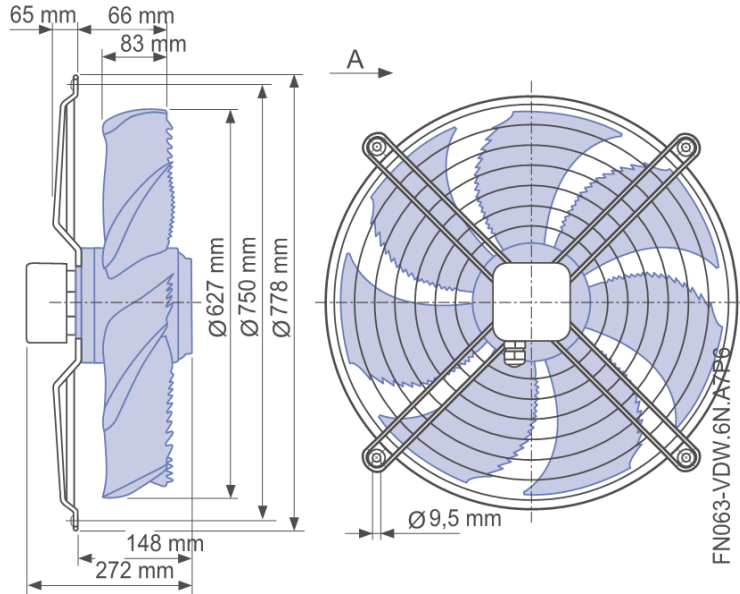
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## schéma de bobinage

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1~Motor mit Kondensator und Thermostatschalter.  
 1~Motor with capacitor and thermostatic switch.  
 Moteur monophasé avec condensateur et interrupteur thermostatique.

U2	blau oder grau	blue or grey	bleu ou gris
Z2	schwarz	black	noir
TB	braun	brown	brun



Anschlussschaltbild im Anschlusskasten aufbewahren.  
 Keep wiring diagram in terminal box.  
 Conserver le schéma de raccordement dans la boîte à bornes.



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