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**FN040-4EH.0F.V7P1 | 152727 | Portfolio STD-WW | 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.**



## fan data

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article no.	152727   Portfolio STD-WW

## technical data

motor		AC
mains supply	-	1~ 230V 50Hz
nominal current ( $I_N$ )	A	1.05
capacitor ( $C_{400V}$ )	$\mu F$	5.0
ambient temperature, max. limit ( $t_r$ )	$^{\circ}C$	65
efficiency grade $\eta_{statA}$	%	31,1
efficiency grade $N_{actual}   N_{target}$		41,3   40
ErP-conformity		2015
grille   influence		pressure side   not measured

## fan data

SFP-class   SFP-value ( $P_{SFP}$ )	-   $Ws/m^3$	1   241
airflow volume ( $q_v$ )	$m^3/h$	3209
pressure, stat. ( $p_{sF}$ )   tot. ( $p_F$ )	Pa	60   89
electrical power input ( $P_1$ )	W	215
efficiency grade, stat. ( $\eta_{sF}$ )   tot. ( $\eta_F$ )	%	25.0   37.1
fan speed ( $n$ )   max. ( $n_{max}$ )	1/min	1379   1430
frequency ( $f_{DP}$ )   ( $f_{max}$ )	Hz	50   60
voltage ( $U_{DP}$ )	V	230
current ( $I_{DP}$ )	A	0.94
acoustics, suction side ( $L_{w(A),5}$ )   ( $L_{w,5}$ )	dB	67   74
acoustics, pressure side ( $L_{w(A),6}$ )   ( $L_{w,6}$ )	dB	68   75
product weight ( $m_{pr}$ )	kg	7.8

PF:PF\_50; Ano:152727; STol:+-10 %



performance curve / acoustics

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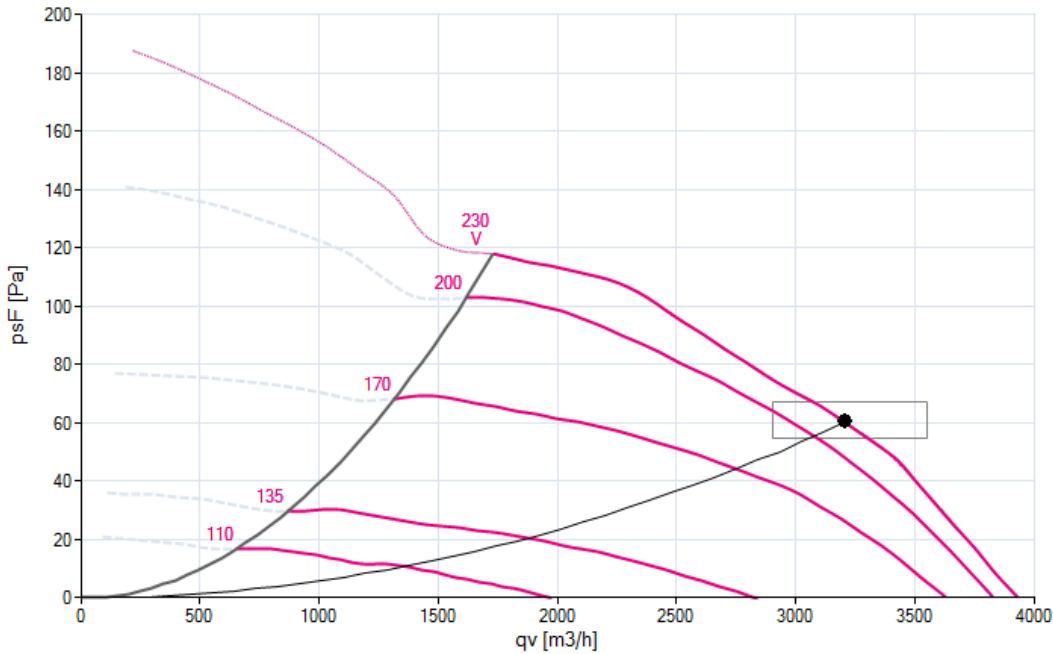
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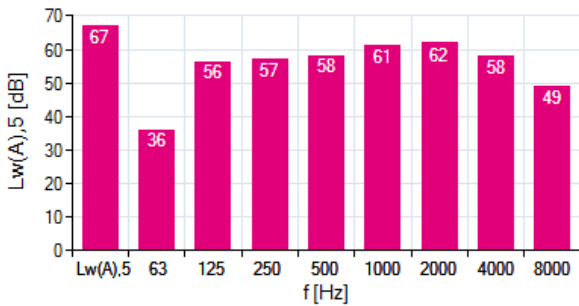
Measured in full nozzle without guard grille in air flow direction V in installation type A according to ISO5801

152727 | Portfolio STD-WW measurement density 1.16 [kg/m³]

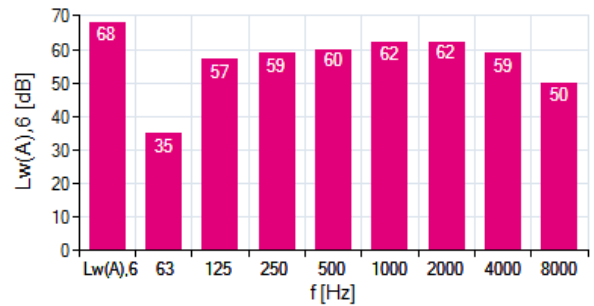
air performance  $p_{sF}$



acoustics ( $L_{w(A),5}$ )



acoustics ( $L_{w(A),6}$ )



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f [Hz]	sum	63	125	250	500	1000	2000	4000	8000
$L_{w(A),5}$	67	36	56	57	58	61	62	58	49
$L_{w,5}$	74	61	72	67	61	61	61	57	50

f [Hz]	sum	63	125	250	500	1000	2000	4000	8000
$L_{w(A),6}$	68	35	57	59	60	62	62	59	50
$L_{w,6}$	75	59	72	69	63	62	61	58	51

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## efficiency grade / power input

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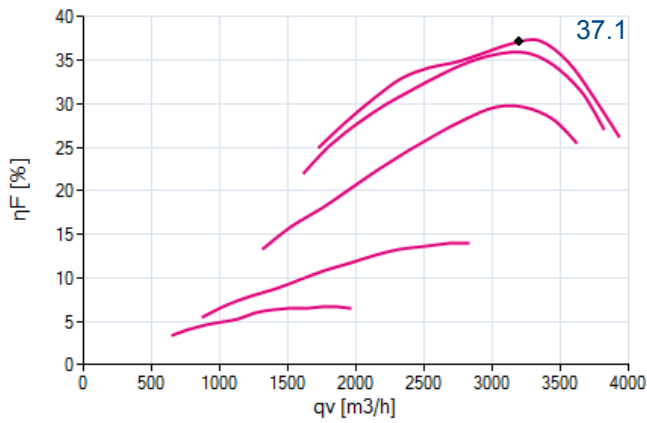
**FN040-4EH.0F.V7P1**

Measured in full nozzle without guard grille in air flow direction V in installation type A according to ISO5801

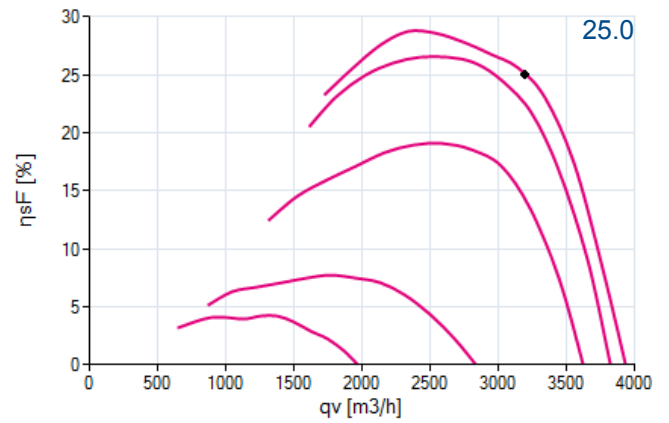
152727 | Portfolio STD-WW

measurement density 1.16 [kg/m³]

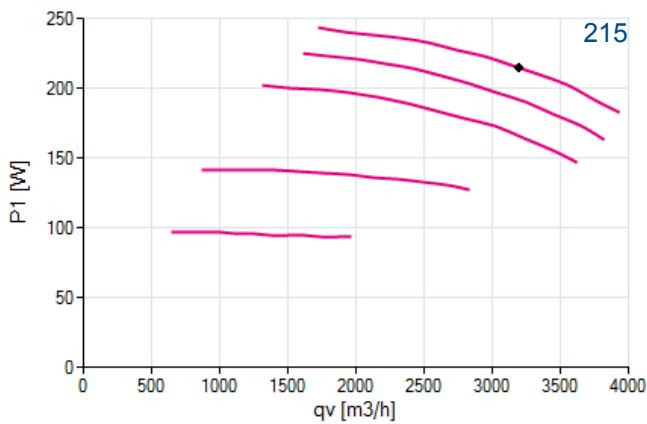
efficiency grade  $\eta_F$



efficiency grade  $\eta_{sF}$



power input  $P_1$



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## nominal values

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1~ 230V +10/-10 50Hz P1 0.24kW  
1.05A DI=15% 1340/MIN 5.0µF/400V 65°C  
1~ 230V +10/-10 60Hz P1 0.33kW  
1.45A DI=5% 1480/MIN 5.0µF/400V 40°C  
IP54 THCL155

## drawing

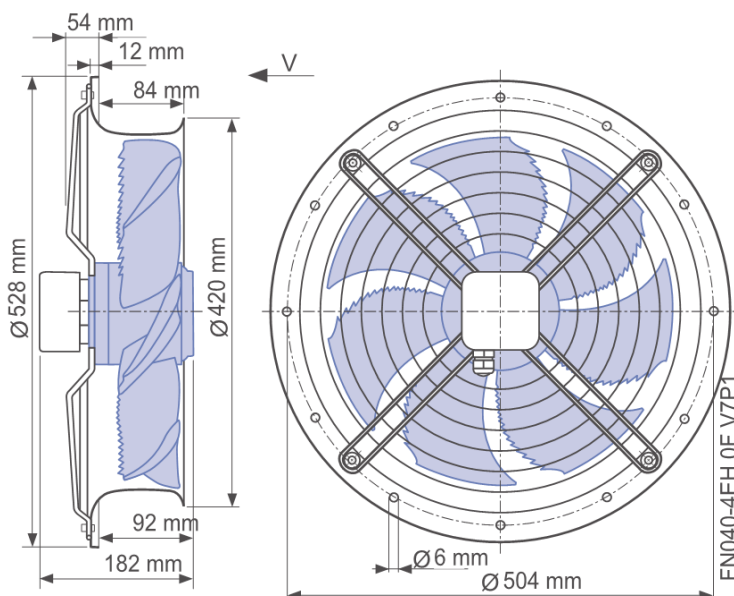
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## wiring diagram

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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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## system components

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