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**FN080-SDQ.6N.V7P5 | 168786 | 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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type	<b>FN080-SDQ.6N.V7P5</b>
article no.	168786   Portfolio STD-WWW

## technical data

motor		AC
mains supply	-	3~ 400V 50Hz D
nominal current (I <sub>N</sub> )	A	3.90
ambient temperature, max. limit (t <sub>r</sub> )	°C	60
efficiency grade $\eta_{statA}$	%	36,3
efficiency grade $N_{actual}$   $N_{target}$		<b>41,0</b>   40
ErP-conformity		2015
grille   influence		pressure side   measured

## fan data

frequency (f <sub>DP</sub> )   (f <sub>max</sub> )	Hz	<b>50</b>   50
dimensions (w x h x d)	mm	970 x 970 x 283
product weight (m <sub>pr</sub> )	kg	42.6

PF:PF\_50; Ano:168786; STol:+-10 %

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## performance curve / acoustics

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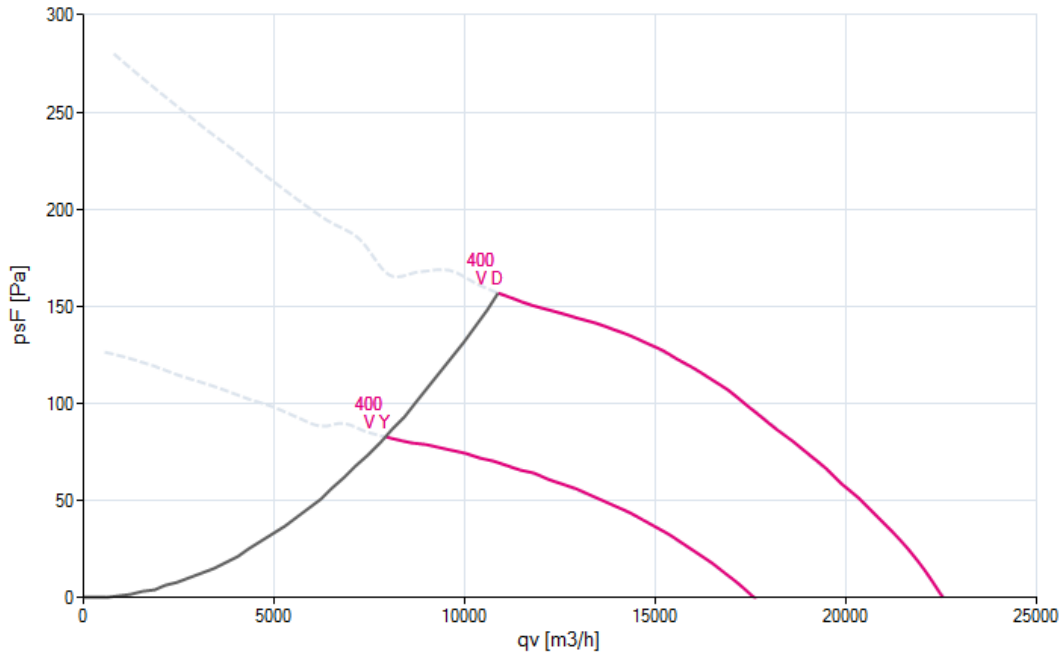
**FN080-SDQ.6N.V7P5**

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

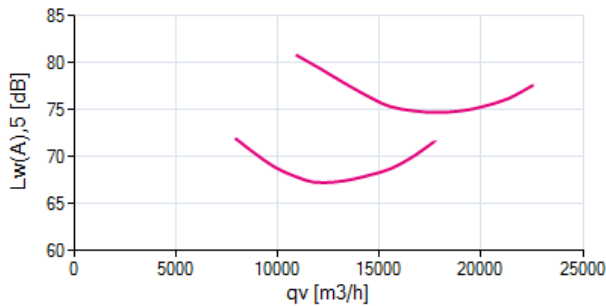
168786 | Portfolio STD-WW

measurement density 1.16 [kg/m³]

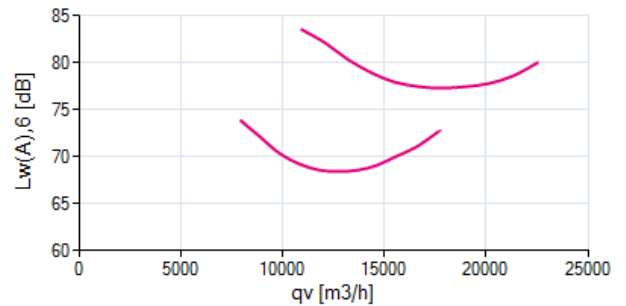
### air performance $p_{sF}$



### 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
$L_{w(A),5}$	-	-	-	-	-	-	-	-	-
$L_{w,5}$	-	-	-	-	-	-	-	-	-

f [Hz]	sum	63	125	250	500	1000	2000	4000	8000
$L_{w(A),6}$	-	-	-	-	-	-	-	-	-
$L_{w,6}$	-	-	-	-	-	-	-	-	-

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## efficiency grade / power input

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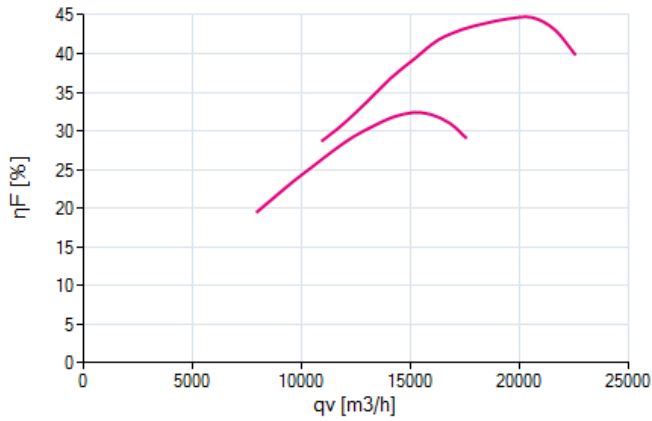
**FN080-SDQ.6N.V7P5**

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

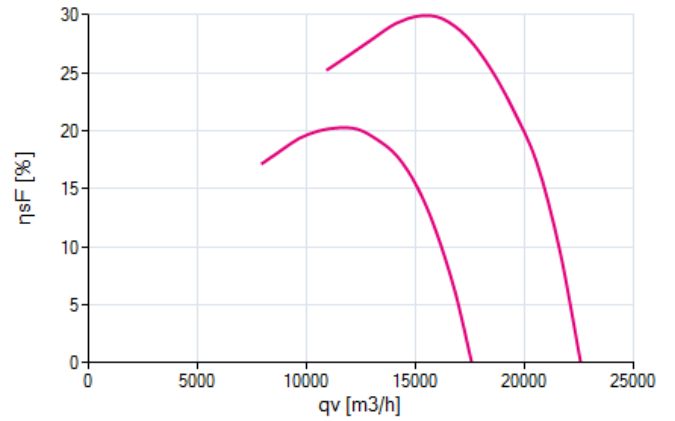
168786 | Portfolio STD-WW

measurement density 1.16 [kg/m³]

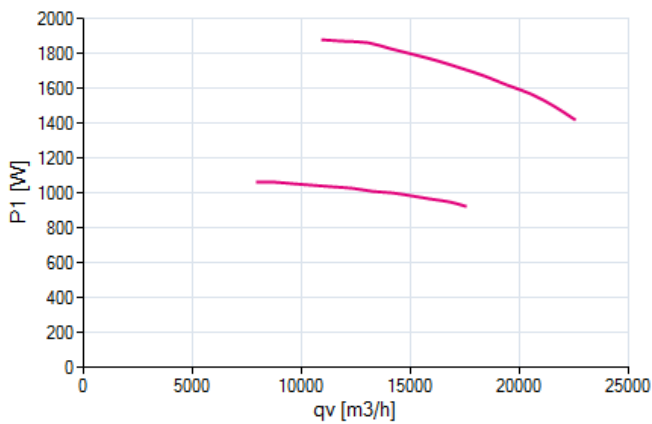
efficiency grade  $\eta_F$



efficiency grade  $\eta_{sF}$



power input  $P_1$





## nominal values

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3~ 400V +10/-10 D/Y 50Hz P1 1.90/1.10kW P2 1.35/0.52kW  
3.90/2.00A DI=0% 870/630/MIN COSY 0.70 60°C  
IP54 THCL155

## drawing

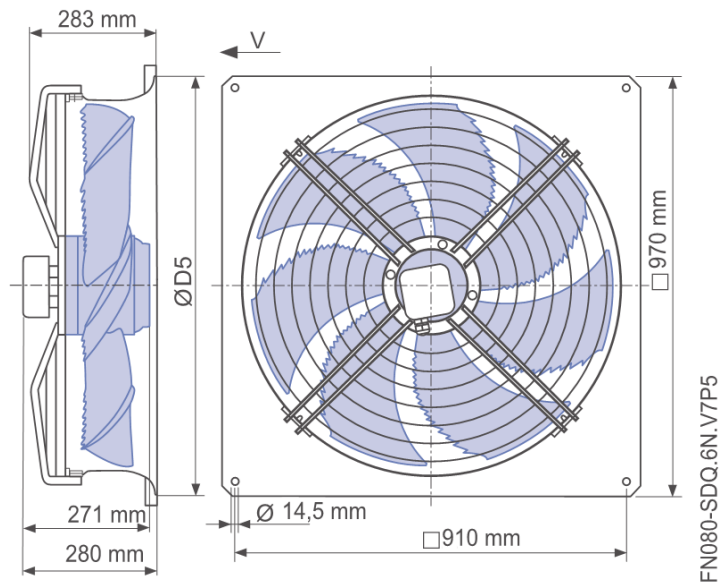
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## wiring diagram

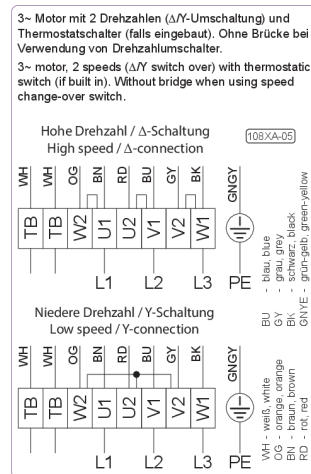
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## system components

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type	FN080-SDQ.6N.V7P5
article no.	168786

**mechanical component** backdraft fan shutter  
type: SVK800  
article no.: 00264387