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**FN080-ZIQ.GG.V7P3 | 154944 | Portfolio STD-WW G1 | FE2owlet ECblue**

Technical Description FE2owlet-ECblue

## Range FN

### Standard design with ECblue motor and integrated electronics

- Profiled, sickle shaped blades designed with bionical know how
- Sizes 250 ... 1250 mm (in 14 standard sizes)
- Optimized for full bell mouth
- Integrated speed control ZIEHL-ABEGG FE2owlet ECblue fans can be used with active temperature management from -35°C\* up to 70°C.

### Mains voltage motor size 0:

- 1~ 200...277 V; 50/60 Hz

### Mains voltage motor size B:

- 1~ 200...277 V; 50/60 Hz

### Mains voltage motor size D:

- 1~ 200...277 V; 50/60 Hz
- 3~ 200...240 V; 50/60 Hz
- 3~ 380...480 V; 50/60 Hz

### Mains voltage motor size G:

- 3~ 200...240 V; 50/60 Hz
- 3~ 380...480 V; 50/60 Hz

### Thermal class:

- THCL 155

### Protection:

- IP54

### Material of impeller:

- High performance composite material or aluminium die-cast

### Painting:

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

### On request:

- Different paintings
- Fan design

\*Continuous operation with occasional starts (S1) according to DIN EN 60034-1: 2011-02. Occasional starting between -35 ° C and -25 ° C is

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permissible. Permanent operation below  $-25^{\circ}\text{C}$  only possible with special bearings for refrigeration applications on request.

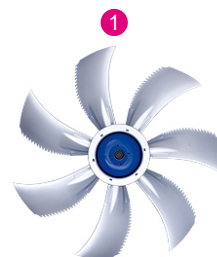
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fan data

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type	<b>FN080-ZIQ.GG.V7P3</b>
article no.	154944   Portfolio STD-WW G1

technical data

motor	ECblue	
Efficiency class	IE4	
mains supply	-	3~ 400V 50Hz
ambient temperature, max. limit (t <sub>r</sub> )	°C	60
efficiency grade $\eta_{statA}$	%	48,7
efficiency grade $N_{actual}$   $N_{target}$	<b>53,4</b>   40	
ErP-conformity	2015   EC controller integrated	
grille   influence	pressure side   measured	

fan data

fan speed ( <b>n</b> )   max. (n <sub>max</sub> )	1/min	-   950
frequency ( <b>f<sub>BP</sub></b> )   (f <sub>max</sub> )	Hz	<b>50</b>   60
dimensions (w x h x d)	mm	970 x 970 x 286
product weight (m <sub>pr</sub> )	kg	47

PF:PF\_00; Type:fn080-ziq.gg.v7p3; STol:+-1000 %



## performance curve / acoustics

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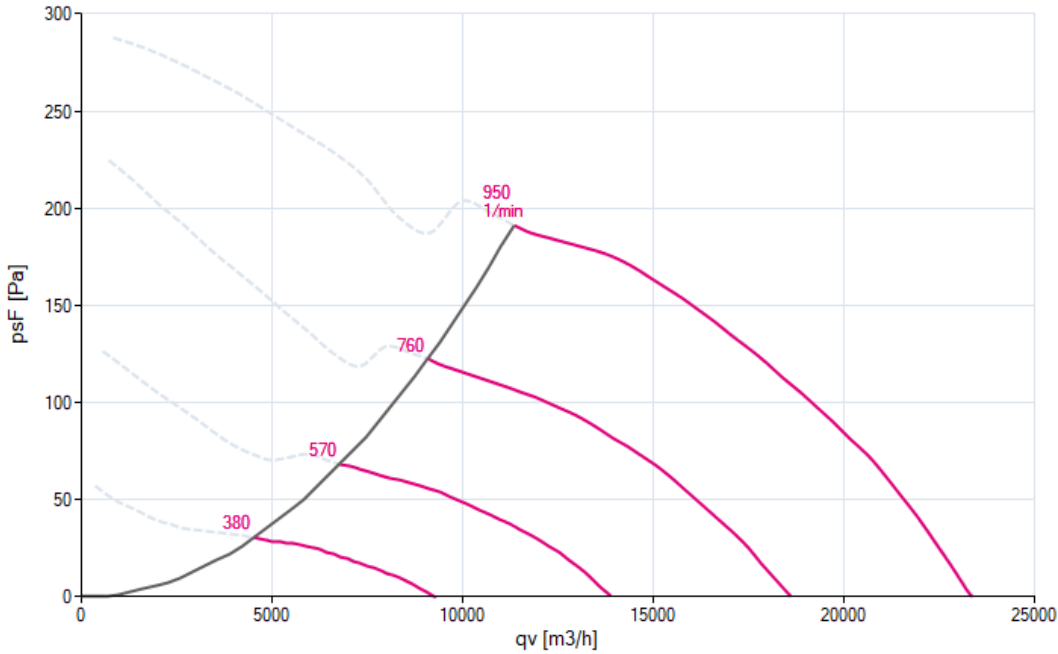
**FN080-ZIQ.GG.V7P3**

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

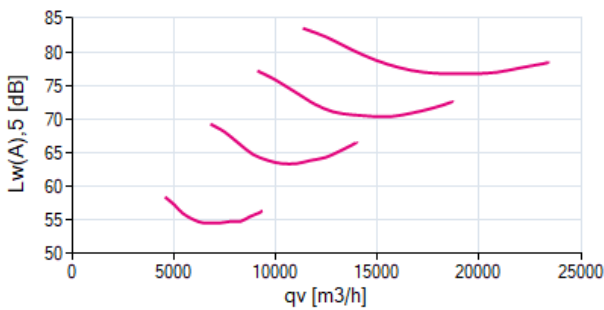
154944 | Portfolio STD-WW  
G1

measurement density 1.16 [kg/m³]

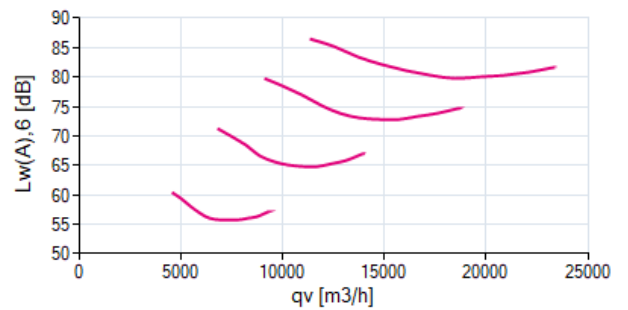
### air performance $p_{sF}$



### 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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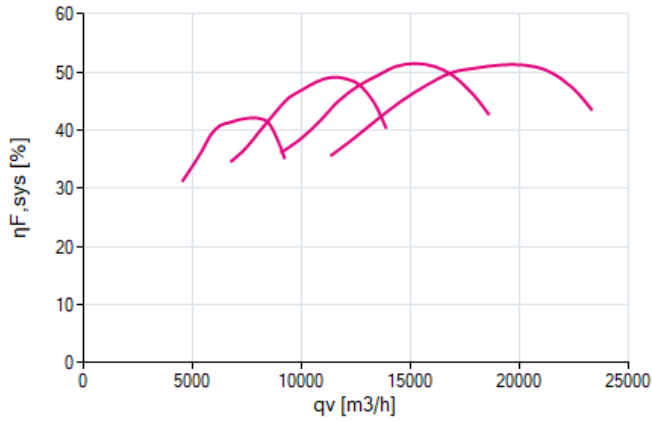
**FN080-ZIQ.GG.V7P3**

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

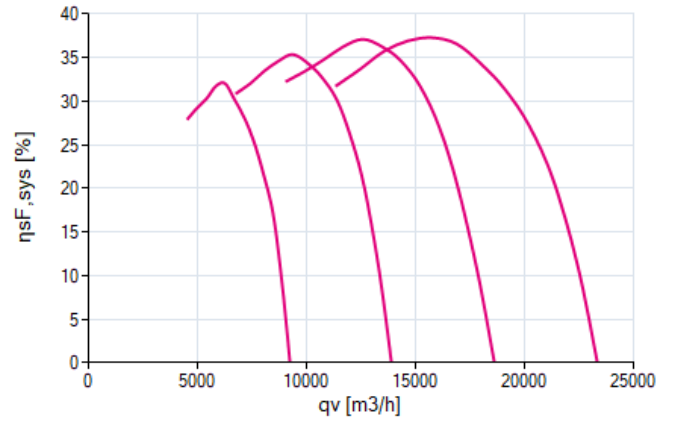
154944 | Portfolio STD-WW  
G1

measurement density 1.16 [kg/m³]

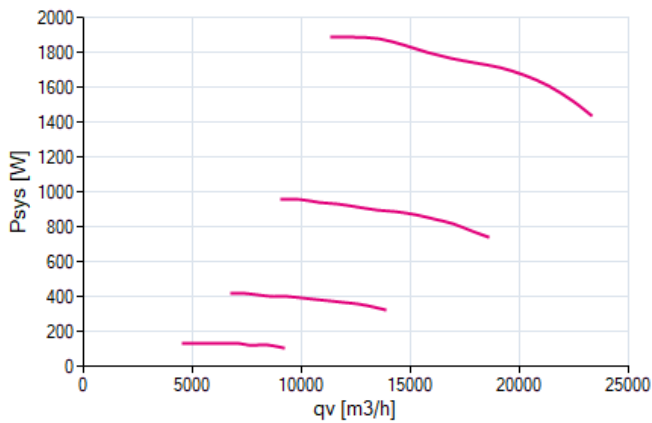
efficiency grade  $\eta_{F,sys}$



efficiency grade  $\eta_{sF,sys}$



power input  $P_{sys}$





## nominal values

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3~ 380-480V 50Hz P1 1.95kW  
 3.30-2.60A 950/MIN 60°C  
 3~ 380-480V 60Hz P1 1.95kW  
 3.30-2.60A 950/MIN 60°C  
 IP54 THCL155

## drawing

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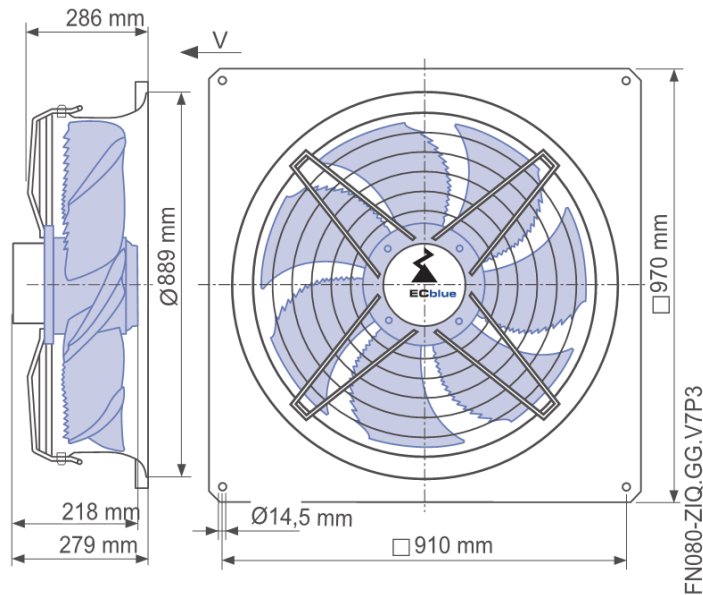
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## wiring diagram

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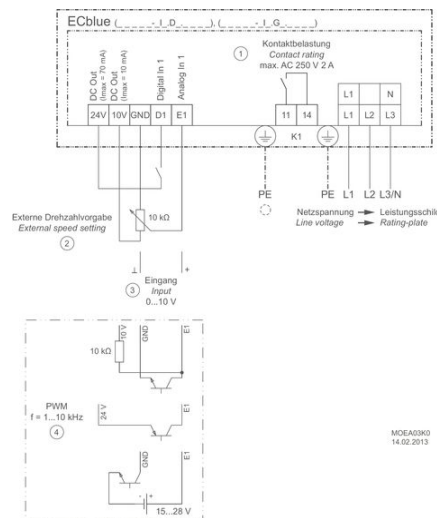
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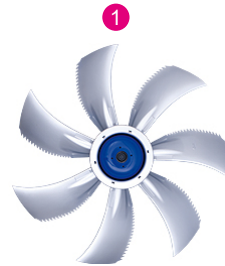




## system components

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type	FN080-ZIQ.GG.V7P3
article no.	154944

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

**control component** ECblue AM module  
type: AM-MODBUS  
article no.: 349045

ECblue AM module  
type: AM-PREMIUM  
article no.: 349046

ECblue AM module  
type: AM-MODBUS-W  
article no.: 349050

ECblue AM module  
type: AM-PREMIUM-W  
article no.: 349051