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ZN080-ZIL.GL.V7P3 | 161473 | Portfolio STD-WW | FE2owlet ECblue

Range ZN**Standard design with ECblue motor and integrated electronics**

- Profiled, sickle shaped blades designed with bionical know how
- Sizes 450 ... 910 mm (in 6 standard sizes)
- Highest efficiency with optimized full bell mouth with guide vane and diffusor
- Integrated speed control
- ZIEHL-ABEGG FE2owlet ECblue with ZAplus fans can be used with active temperature management from -35°C up to 70°C.

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:

- THCL155

Protection:

- IP54

Material of impeller:

- Aluminium die-cast or high performance composite material

Painting:

- Fan unpainted
- ZAplus made from high performance composite material in black, unpainted

On request:

- Guard grille suction side
- Additional diffusor (increase of efficiency)
- Different paintings
- Heater (de-icing of the nozzle)
- 4 different built in versions

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fan data

2021-03-26

version FANselect V 1.01 (180718), AMCA V 1.02 April, 2018 / 1.18.07.18 | 46914 | (user ZAFS36914)



type	ZN080-ZIL.GL.V7P3
article no.	161473 Portfolio STD-WW

technical data

motor	ECblue
mains supply	- 3~ 400V 50Hz
ambient temperature, max. limit (t _a)	°C 55
efficiency grade η_{statA}	% 58,0
efficiency grade N_{actual} N_{target}	% 61,6 40
ErP-conformity	2015 EC controller integrated
grille influence	pressure side measured

fan data

fan speed (n) max. (n _{max})	1/min - 1100
frequency (f _{BP}) (f _{max})	Hz 50 60
product weight (m _{pr})	kg 42.2

PF:PF_00; Ano:161473; STol:+-10 %

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performance curve / acoustics

2021-03-26

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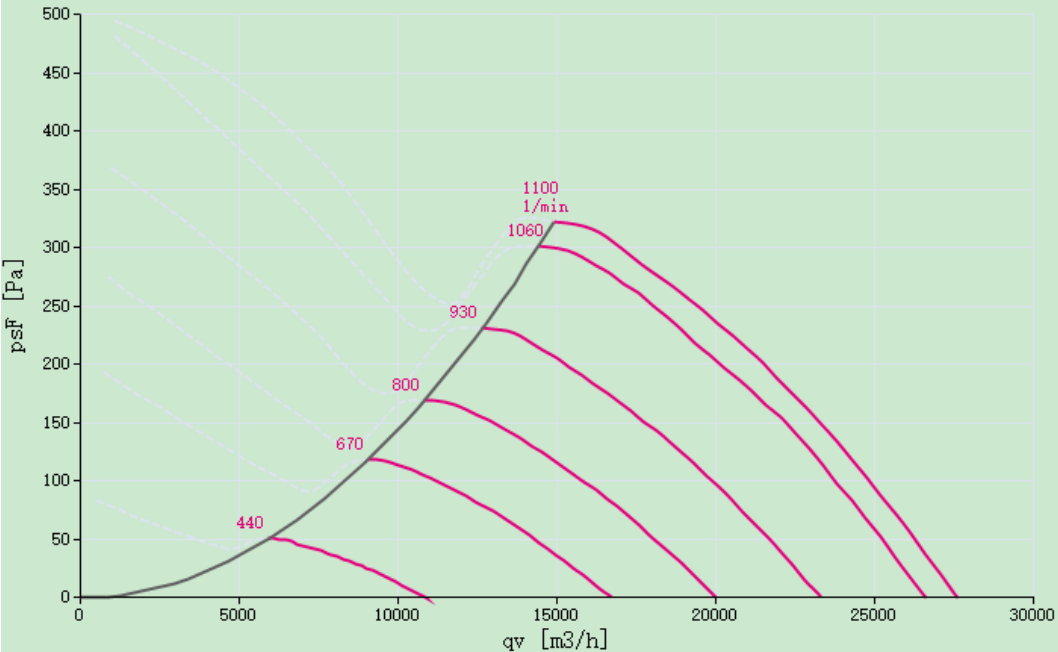
1 ZN080-ZIL.GL.V7P3

Measured in ZAPlus with guard grille on pressure side with airflow direction V in installation type A according to ISO 5801

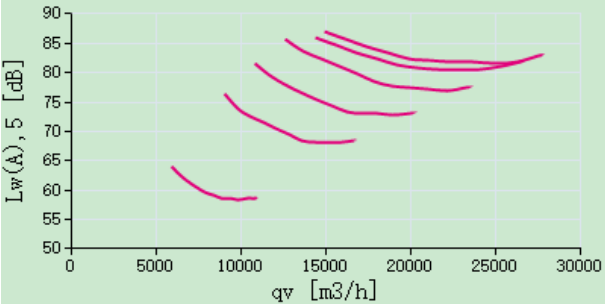
161473 | Portfolio STD-WW

measurement density 1.16 [kg/m³]

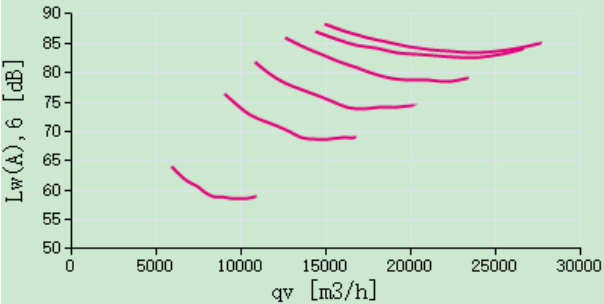
air performance p_{sF}



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}	-	-	-	-	-	-	-	-	-



FANselect

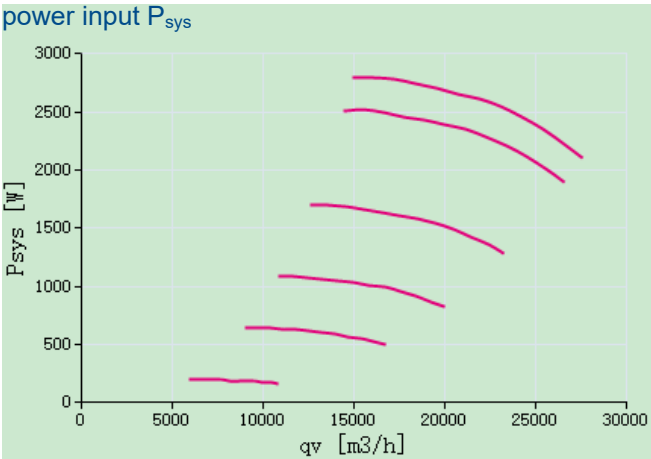
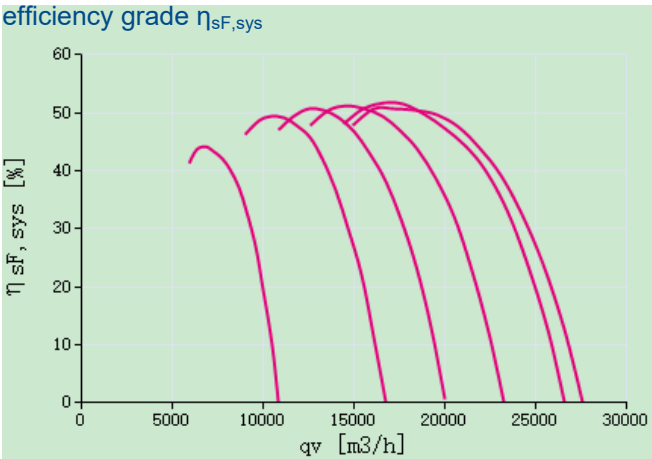
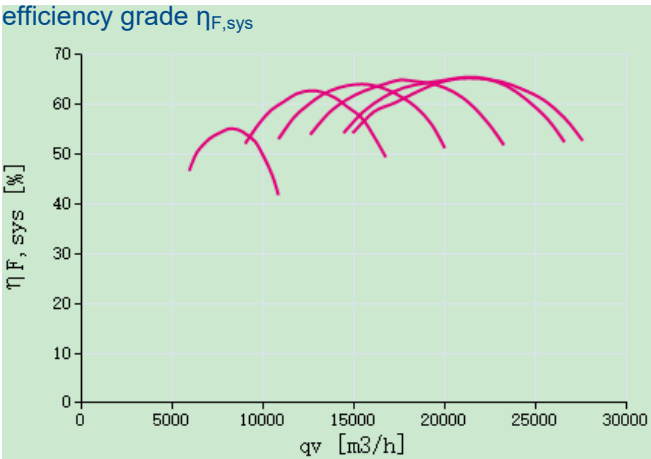
efficiency grade / power input

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Measured in ZAPLUS with guard grille on pressure side with airflow direction V in installation type A according to ISO 5801
measurement density 1.16 [kg/m³]



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nominal values

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3~ 380-480V 50Hz P1 2.80kW

4.40-3.50A 1100/MIN 55°C

3~ 380-480V 60Hz P1 2.80kW

4.40-3.50A 1100/MIN 55°C

IP54 THCL155

drawing

2021-03-26

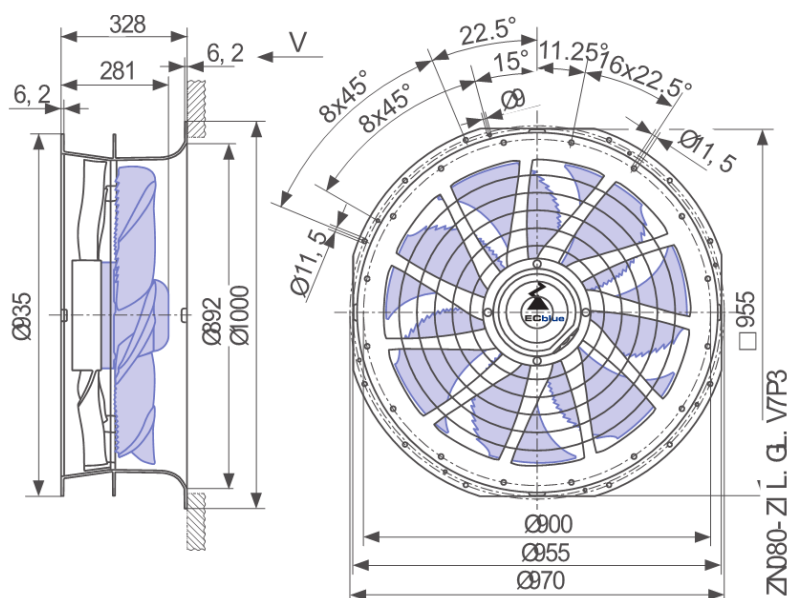
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wiring diagram

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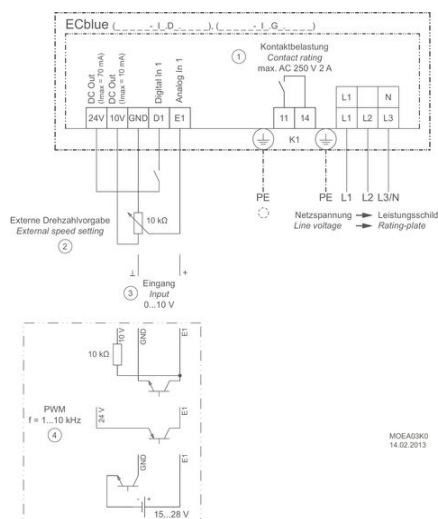
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system components

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type	ZN080-ZIL.GL.V7P3
article no.	161473

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