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FN056-VDQ.4M.V7P2 | 159445 | 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

01.08.2023

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type	FN056-VDQ.4M.V7P2
article no.	159445 Portfolio STD-WWW

technical data

motor		AC
mains supply	-	3~ 400V 50Hz Y
nominal current (I_N)	A	1.10
ambient temperature, max. limit (t_r)	°C	70
efficiency grade η_{statA}	%	33,7
efficiency grade N_{actual} N_{target}		40,1 40
ErP-conformity		2015
grille influence		pressure side measured

fan data

frequency (f_{DP}) (f_{max})	Hz	50 60
dimensions (w x h x d)	mm	725 x 725 x 245
product weight (m_{pr})	kg	23.2

PF:PF_50; Ano:159445; STol:+-10 %

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performance curve / acoustics

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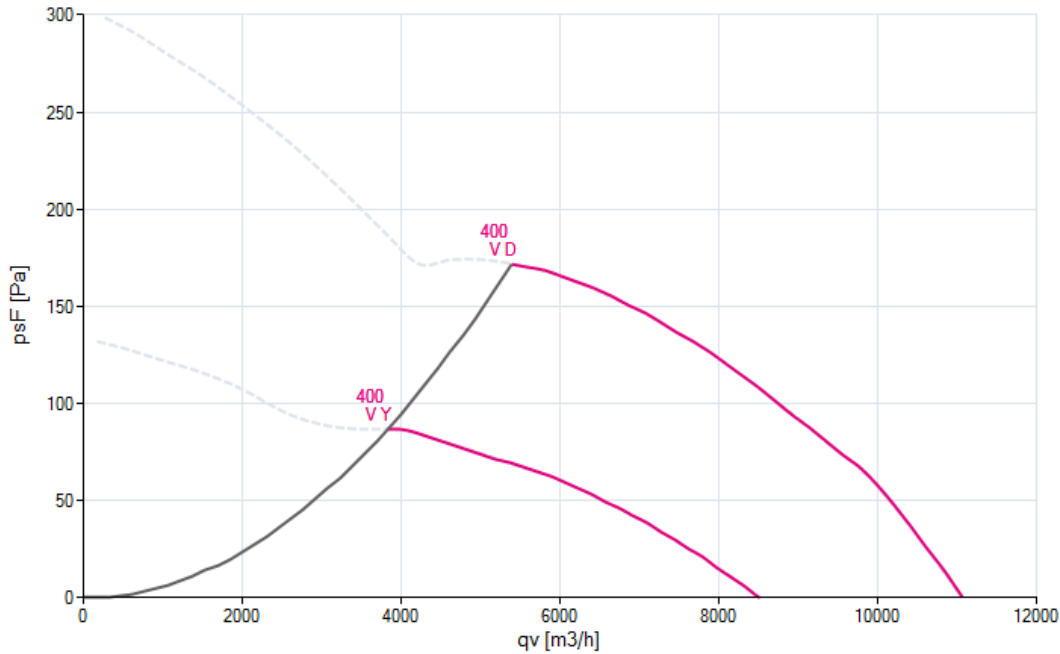
FN056-VDQ.4M.V7P2

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

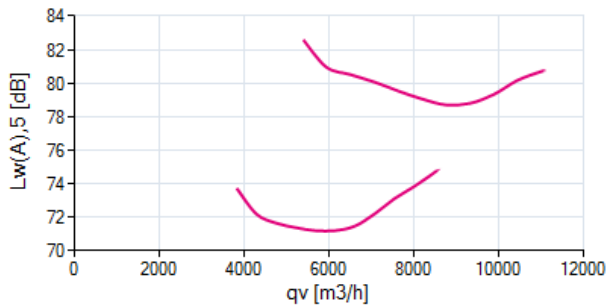
159445 | Portfolio STD-WW

measurement density 1.16 [kg/m³]

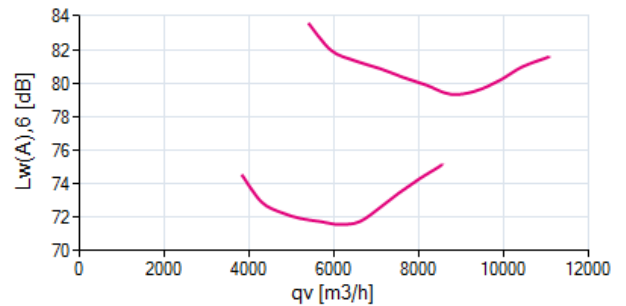
air performance p_{sF}



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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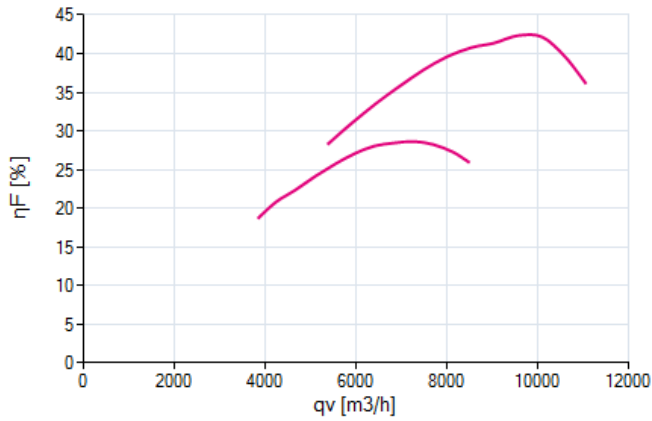
FN056-VDQ.4M.V7P2

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

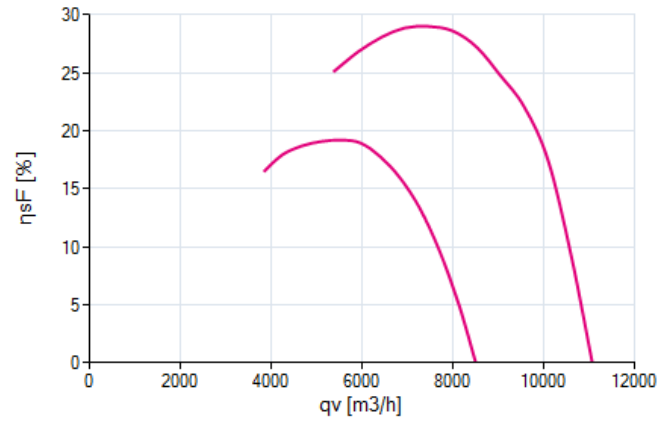
159445 | Portfolio STD-WW

measurement density 1.16 [kg/m³]

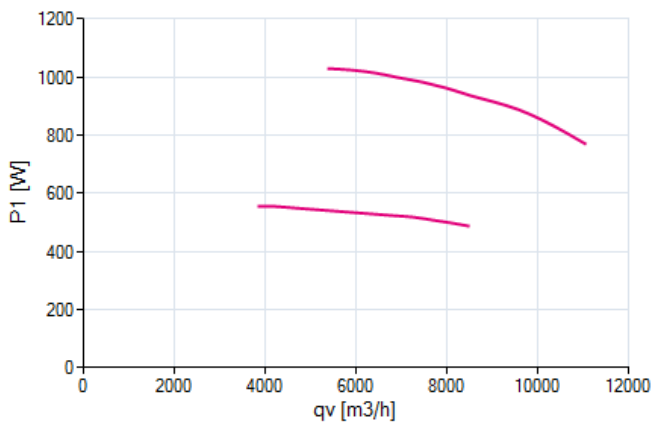
efficiency grade η_F



efficiency grade η_{sF}



power input P_1





nominal values

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3~ 400V +10/-10 D/Y 50Hz P1 1.05/0.58kW P2 0.73/0.26kW
2.20/1.10A DI=0% 1280/910/MIN COSY 0.68 70°C
3~ 400V +10/-10 D/Y 60Hz P1 1.35/0.58kW P2 0.80/0.20kW
2.60/1.15A DI=0% 1320/830/MIN COSY 0.73 55°C
3~ 460V +10/-10 D/Y 60Hz P1 1.55/0.72kW P2 1.00/0.30kW
2.70/1.25A DI=0% 1430/950/MIN COSY 0.72 55°C
IP54 THCL155

drawing

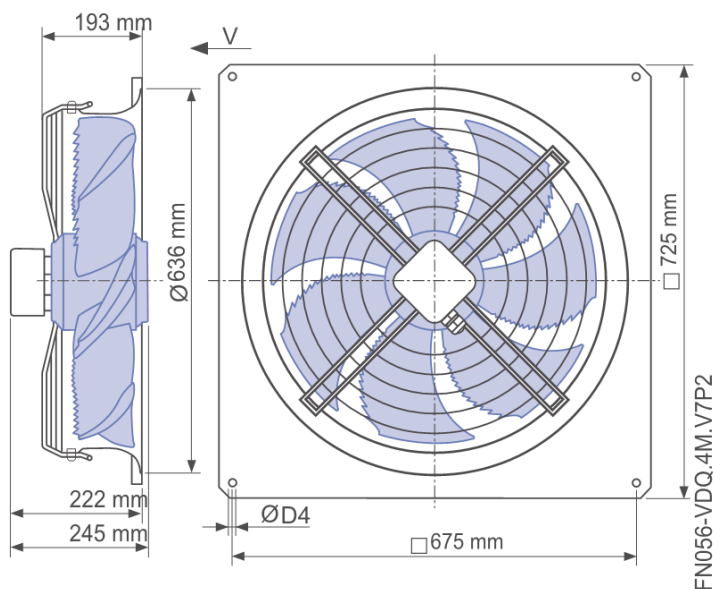
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wiring diagram

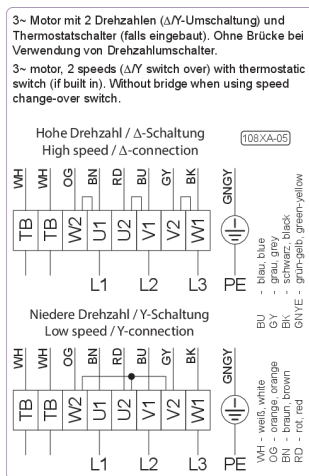
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system components

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