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FN056-SDK.4F.V7P2 | 159453 | 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.**

données ventilateur

26/06/2023

Version FANselect V 1.01 (230203), AMCA V 1.03 September, 2021
RLT V 1.00 Dezember, 2021 / 1.23.02.03 | 160 | (utilisateur mlorenzi)



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n°article	159453 Portfolio STD-WWW

caractéristiques

moteur		AC
tension principale	-	3~ 400V 50Hz D
intensité nominale (I_N)	A	0.70
température ambiante (t_a)	°C	70
rendement η_{statA}	%	31,9
Rendement N_{actual} N_{target}		41,3 40
classe ErP		2015
grille influence		pressure side measured

données ventilateur

classe-SFP valeur SFP (P_{SFP})	- Ws/m ³	1 176
débit (q_v)	m ³ /h	6033
pression, stat. (p_{sF}) tot. (p_F)	Pa	40 67
puissance absorbée (P_i)	W	295
rendement, stat. (η_{sF}) tot. (η_F)	%	23.0 38.2
vitesse ventilateur (n) max. (n_{max})	1/min	897 -
fréquence (f_{BP}) (f_{max})	Hz	50 60
tension au point de fonctionnement (U_{DP})	V	400
intensité au point de fonctionnement (I_{DP})	A	0.64
niveau sonore, coté aspiration (L_{w(A),5}) ($L_{w,5}$)	dB	68 74
niveau sonore, coté refoulement (L_{w(A),6}) ($L_{w,6}$)	dB	69 74
poids (m_{pr})	kg	11.9

PF:PF_50; BR:BR_13; qv:6000 m³/h; p_{sF}:40 Pa; mains:3~ / 400V / 50 Hz; t:65 °C; p:1.16 kg/m³; STol:+-10 %; BF:



courbe debit/pression / Acoustic

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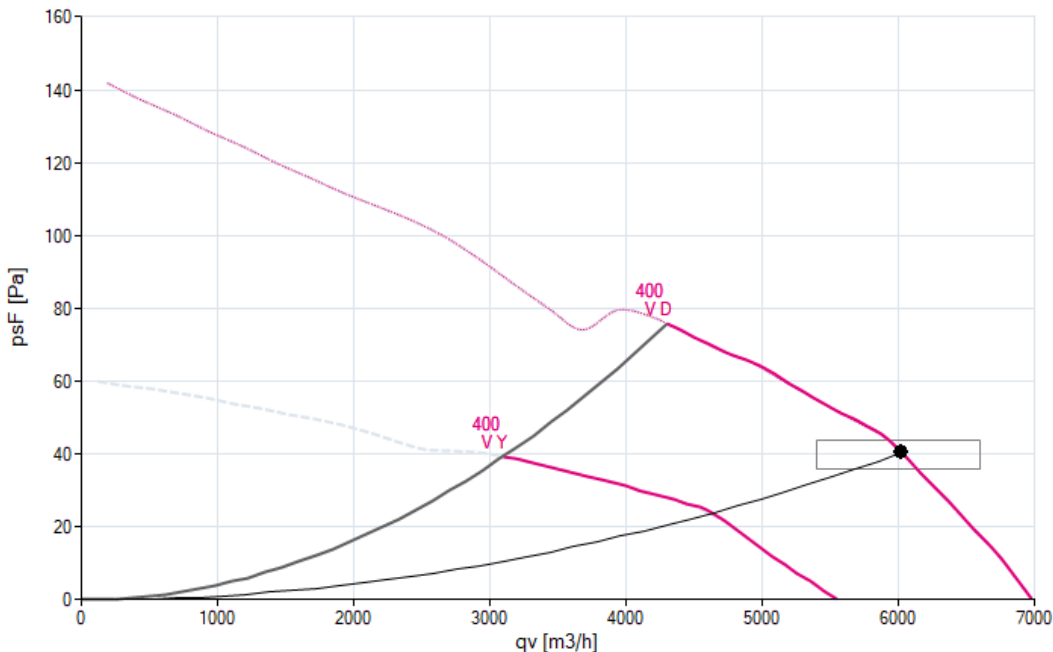
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Measured in short nozzle with pressure side guard grille in air flow direction V in installation type A according to ISO5801

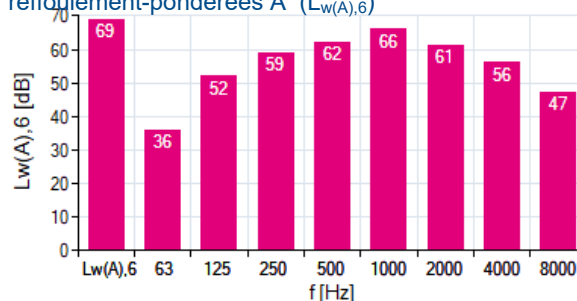
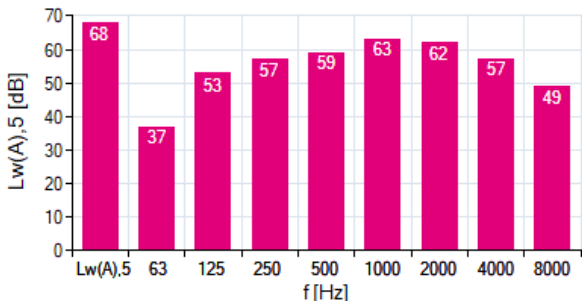
159453 | Portfolio STD-WW densité de mesure 1.16 [kg/m³]

Performance aéraulique p_{sF}



niveau de puissance acoustique côté aspiration-pondérées A (Niveau de puissance acoustique côté

refoulement-pondérées A ($L_{w(A),6}$)



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f [Hz]	sum	63	125	250	500	1000	2000	4000	8000
$L_{w(A),5}$	68	37	53	57	59	63	62	57	49
$L_{w,5}$	74	62	71	66	63	63	61	56	50

f [Hz]	sum	63	125	250	500	1000	2000	4000	8000
$L_{w(A),6}$	69	36	52	59	62	66	61	56	47
$L_{w,6}$	74	61	69	68	65	66	60	55	48



rendement / puissance

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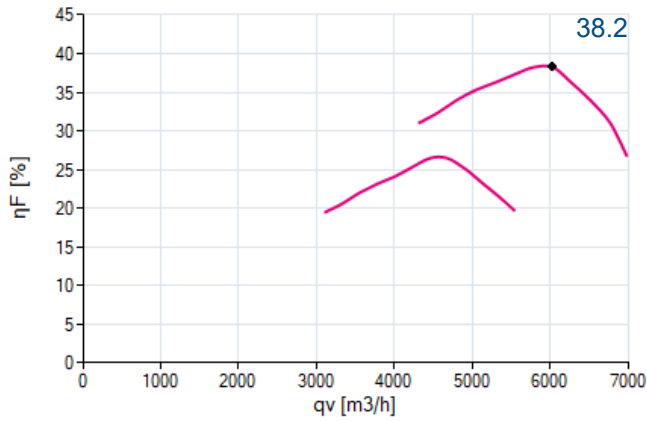
FN056-SDK.4F.V7P2

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

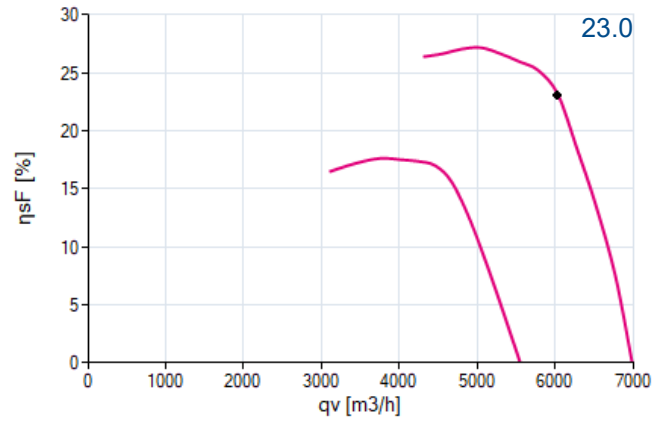
159453 | Portfolio STD-WW

densité de mesure 1.16 [kg/m³]

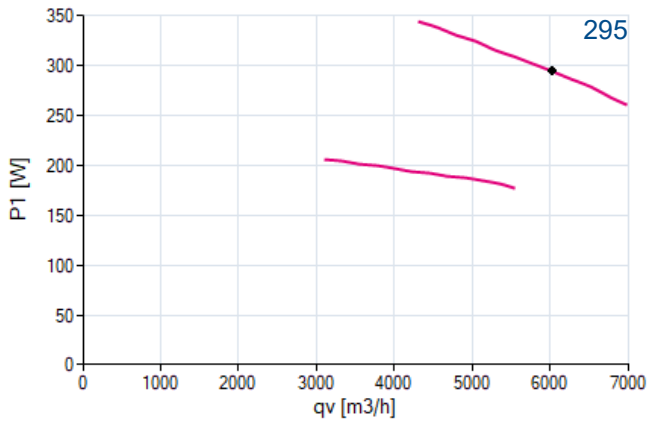
rendement η_F



rendement η_{sF}



puissance P_1



valeur nominale

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3~ 400V +10/-10 D/Y 50Hz P1 0.34/0.21kW
0.70/0.38A DI=0% 870/630/MIN COSY 0.71 70°C
3~ 400V +10/-10 D/Y 60Hz P1 0.48/0.21kW
0.88/0.40A DI=0% 900/550/MIN COSY 0.78 70°C
3~ 460V +10/-10 D/Y 60Hz P1 0.54/0.26kW
0.88/0.44A DI=0% 980/630/MIN COSY 0.77 70°C
IP54 THCL155

plan

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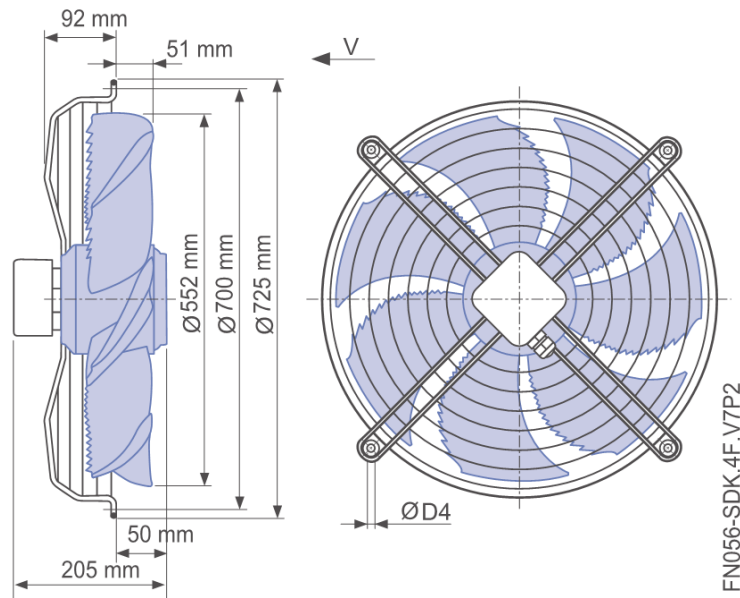


schéma de bobinage

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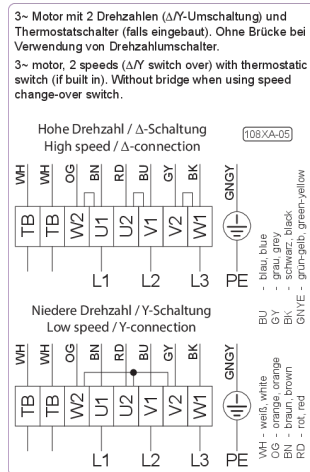
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