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FN071-SDK.6F.V7P1 | 141773 | Portfolio Europe | 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

21.08.2024

version FANselect V 1.01 (240821), AMCA V 1.03 September, 2021
RLT V 1.00 Dezember, 2021 / 1.24.08.21 | 1165 | (utilisateur paviot)



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caractéristiques

moteur		AC
tension principale	-	3~ 400V 50Hz D
intensité nominale (I _N)	A	1.70
température ambiante (t _r)	°C	70
rendement η _{statA}	%	39,1
Rendement N _{actual} N _{target}		45,8 40
classe ErP		2015
grille influence		pressure side measured

données ventilateur

classe-SFP valeur SFP (P _{SFP})	- Ws/m ³	1 193
FEI	-	1.48
débit (q _v)	m ³ /h	12731
pression, stat. (p _{sF}) tot. (p _F)	Pa	29 76
puissance absorbée (P _i)	W	683
rendement, stat. (η _{sF}) tot. (η _F)	%	14.9 39.2
vitesse ventilateur (n) max. (n _{max})	1/min	930 -
frequence (f_{BP}) (f _{max})	Hz	50 50
tension au point de fonctionnement (U _{DP})	V	400
intensité au point de fonctionnement (I _{DP})	A	1.43
niveau sonore, coté aspiration (L_{w(A),5}) (L _{w,5})	dB	76 80
niveau sonore, coté refoulement (L_{w(A),6}) (L _{w,6})	dB	76 80
dimensions (LxIxh)	mm	888 x 888 x 226
poids (m _{pr})	kg	26

PF:PF_61; Ano:141773; STol:+-10 %



courbe debit/pression / Acoustic

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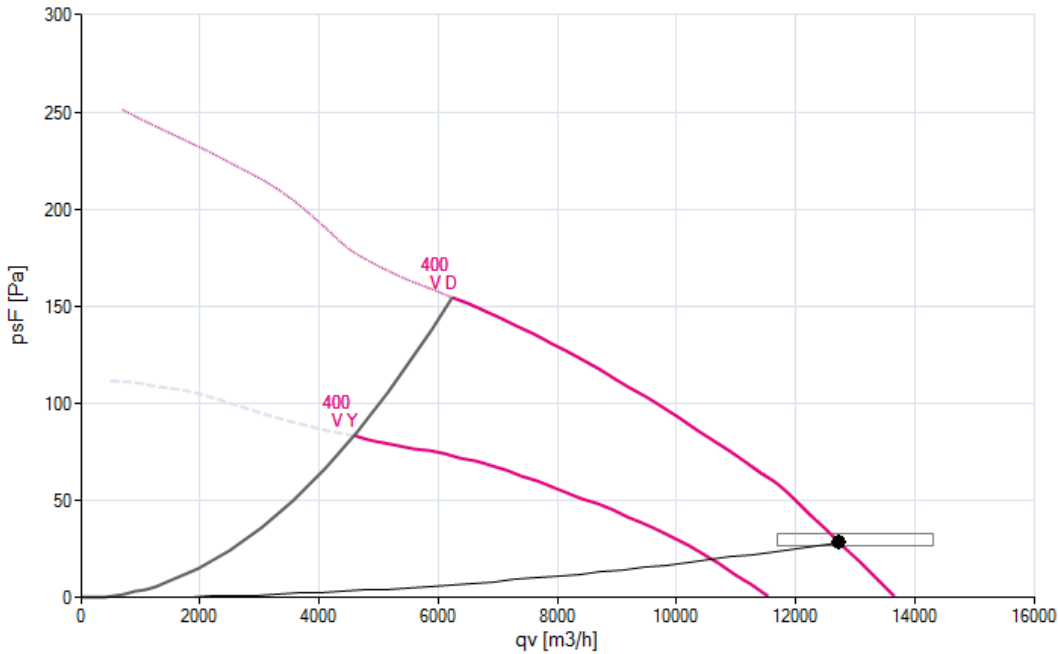
1 FN071-SDK.6F.V7P1

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

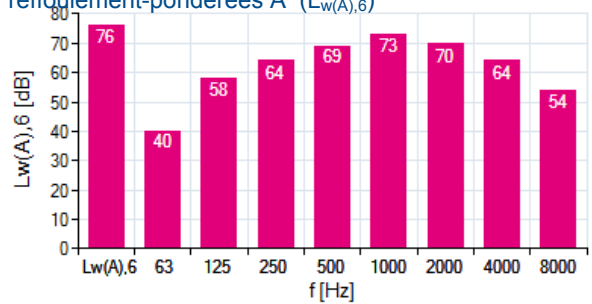
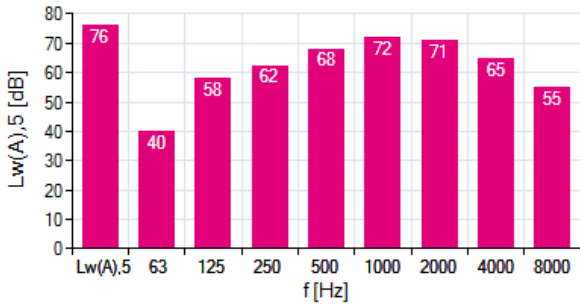
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densité de mesure 1.18 [kg/m³]

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
$L_{w(A),5}$	76	40	58	62	68	72	71	65	55
$L_{w,5}$	80	65	76	71	71	72	70	64	56

f [Hz]	sum	63	125	250	500	1000	2000	4000	8000
$L_{w(A),6}$	76	40	58	64	69	73	70	64	54
$L_{w,6}$	80	66	76	72	73	73	69	63	55



rendement / puissance

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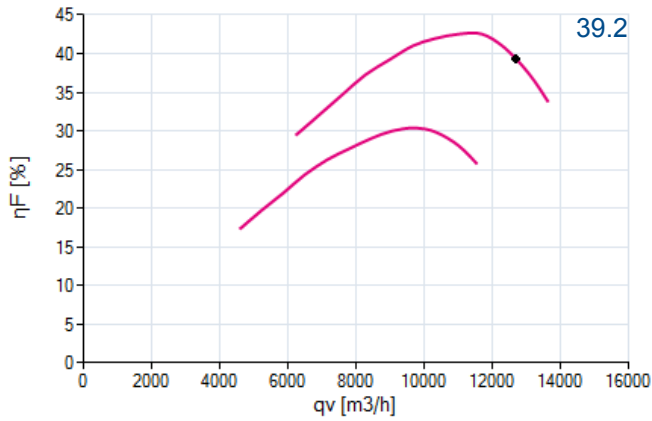
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Measured in short nozzle with pressure side guard grille in air flow direction V in installation type A according to ISO5801

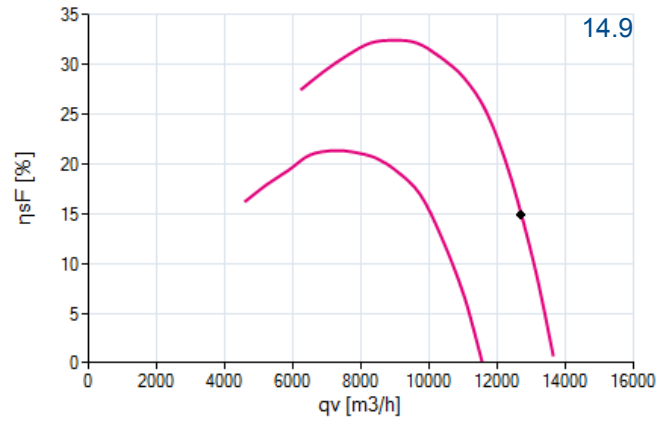
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densité de mesure 1.18 [kg/m³]

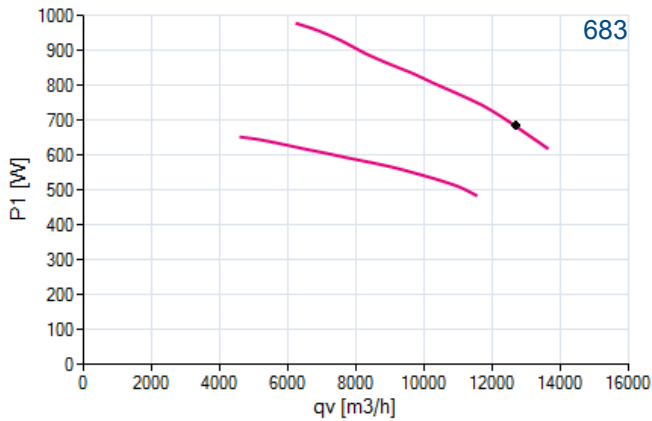
rendement η_F



rendement η_{sF}



puissance P_1



valeur nominale

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3~ 400V +10/-10 D/Y 50Hz P1 0.94/0.62kW P2 0.72/0.31kW
1.70/1.05A DI=10% 900/690/MIN COSY 0.79 70°C
IP54 THCL155

plan

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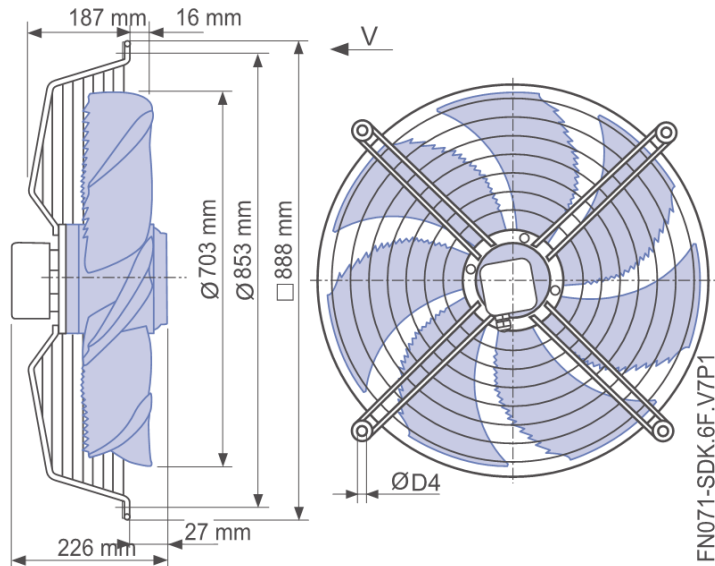


schéma de bobinage

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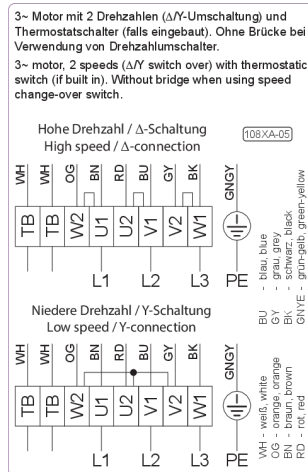
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