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FN071-SDQ.6K.V7P1 | 141779 | 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 $\pm 10\%$ D/Y
- 3~ zweitourig 400/460 V $\pm 10\%$ 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

18.07.2024

version FANselect V 1.01 (240718), AMCA V 1.03 September, 2021
RLT V 1.00 Dezember, 2021 / 1.24.07.18 | 1340 | (utilisateur chesneau)



type	FN071-SDQ.6K.V7P1
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caractéristiques

moteur	AC	
tension principale	-	3~ 400V 50Hz D
intensité nominale (I _N)	A	2.50
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 not measured	

données ventilateur

classe-SFP valeur SFP (P _{SFP})	- Ws/m ³	1 191
FEI	-	1.53
débit (q _v)	m ³ /h	13523
pression, stat. (p _{sF}) tot. (p _F)	Pa	32 86
puissance absorbée (P _I)	W	716
rendement, stat. (η _{sF}) tot. (η _F)	%	17.0 45.0
vitesse ventilateur (n) max. (n _{max})	1/min	944 -
frequence (f _{BP}) (f _{max})	Hz	50 60
tension au point de fonctionnement (U _{DP})	V	400
intensité au point de fonctionnement (I _{DP})	A	2.26
niveau sonore, coté aspiration (L _{w(A),5}) (L _{w,5})	dB	71 76
niveau sonore, coté refoulement (L _{w(A),6}) (L _{w,6})	dB	70 76
dimensions (LxIxh)	mm	850 x 850 x 261
poids (m _{pr})	kg	37.9

PF:PF_61; Ano:141779; STol:+-10 %





courbe debit/pression / Acoustic

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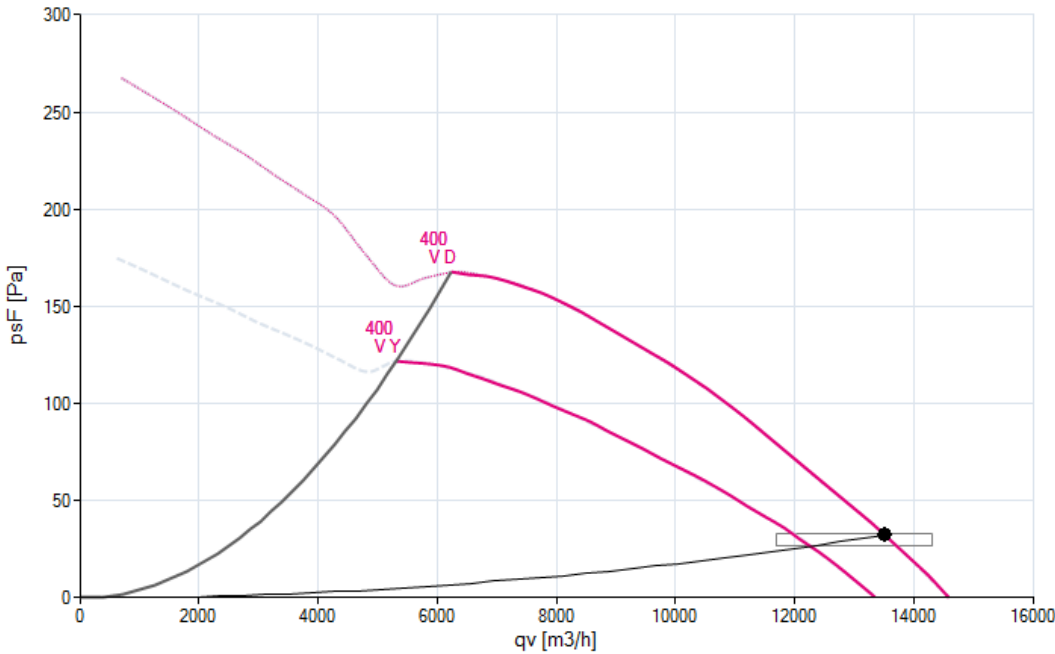
FN071-SDQ.6K.V7P1

Measured in full nozzle without guard grille in air flow direction V in installation type A according to ISO5801

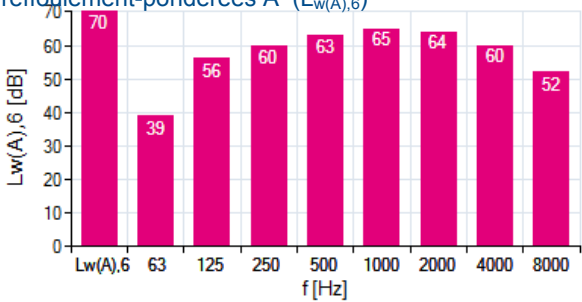
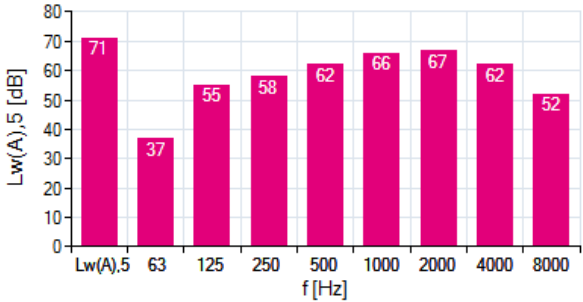
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densité de mesure 1.18 [kg/m³]

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
$L_{w(A),5}$	71	37	55	58	62	66	67	62	52
$L_{w,5}$	76	63	73	66	65	66	66	61	53

f [Hz]	sum	63	125	250	500	1000	2000	4000	8000
$L_{w(A),6}$	70	39	56	60	63	65	64	60	52
$L_{w,6}$	76	64	74	68	66	65	63	59	53





rendement / puissance

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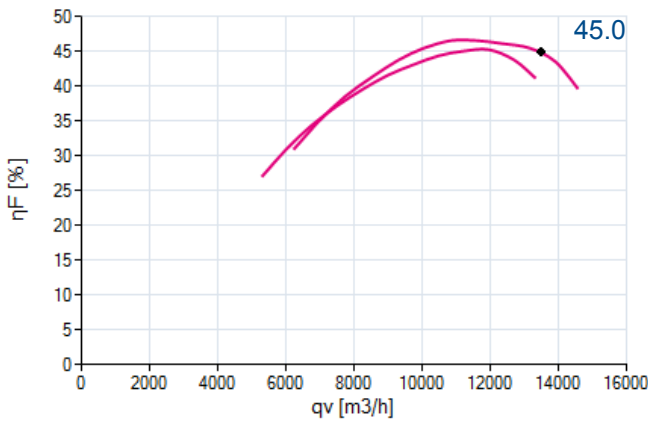
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Measured in full nozzle without guard grille in air flow direction V in installation type A according to ISO5801

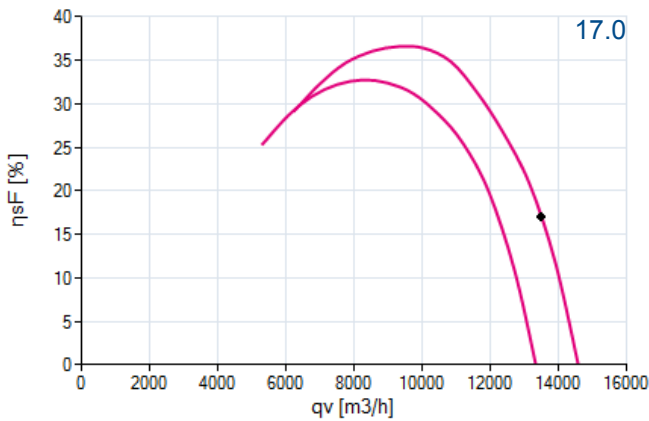
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densité de mesure 1.18 [kg/m³]

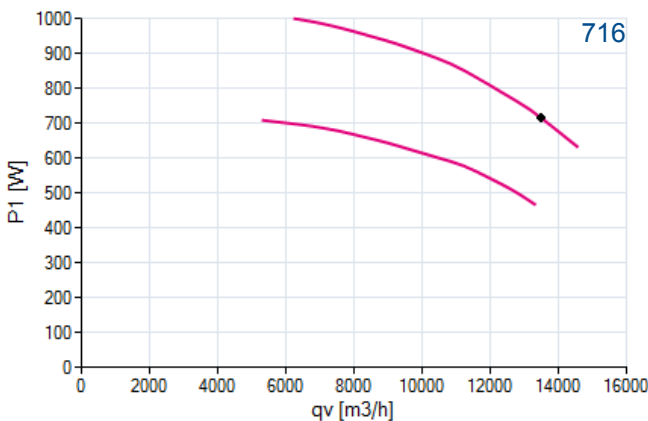
rendement η_F



rendement η_{sF}



puissance P_1





valeur nominale

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3~ 400V +10/-10 D/Y 50Hz P1 1.00/0.72kW P2 0.72/0.44kW
2.50/1.25A DI=0% 920/780/MIN COSY 0.59 70°C
3~ 400V +10/-10 D/Y 60Hz P1 1.45/0.90kW P2 1.00/0.44kW
2.70/1.55A DI=0% 1030/770/MIN COSY 0.77 70°C
3~ 460V +10/-10 D/Y 60Hz P1 1.55/1.05kW P2 1.15/0.57kW
2.80/1.60A DI=0% 1070/850/MIN COSY 0.71 70°C
IP54 THCL155

plan

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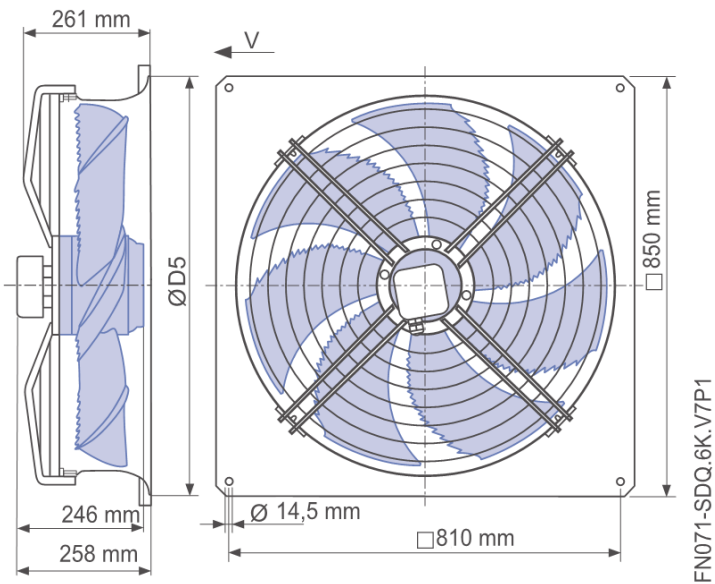


schéma de bobinage

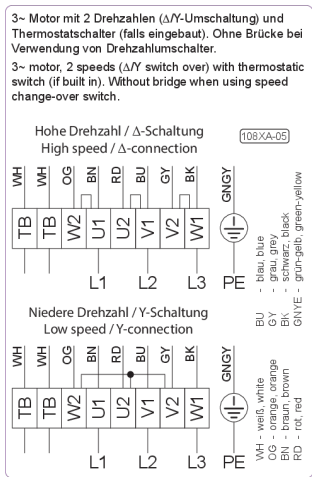
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accessoires system

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