



description générale

10.07.2025

version FANselect V 1.01 (250218), AMCA V 1.03 September, 2021
RLT V 1.00 Dezember, 2021 / 1.25.02.18 | 1340 | (utilisateur chesneau)

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FN035-VDK.0F.V7P2 | 155892 | 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

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type	FN035-VDK.0F.V7P2
n°article	155892 Portfolio STD-WW

caractéristiques

moteur		AC
tension principale	-	3~ 400V 50Hz D
intensité nominale (I _N)	A	0.40
température ambiante (t _r)	°C	70
rendement η _{statA}	%	29,3
Rendement N _{actual} N _{target}		40,3 40
classe ErP		2015
grille influence		pressure side measured

données ventilateur

classe-SFP valeur SFP (P _{SFP})	- Ws/m ³	1 260
FEI	-	1.77
débit (q _v)	m ³ /h	2527
pression, stat. (p _{sF}) tot. (p _F)	Pa	51 83
puissance absorbée (P _i)	W	182
rendement, stat. (η _{sF}) tot. (η _F)	%	19.7 31.8
vitesse ventilateur (n) max. (n _{max})	1/min	1395 -
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	0.39
niveau sonore, coté aspiration (L_{w(A),5}) (L _{w,5})	dB	67 72
niveau sonore, coté refoulement (L_{w(A),6}) (L _{w,6})	dB	71 74
dimensions (Lxlxh)	mm	415 x 415 x 182
poids (m _{pr})	kg	5.3

PF:PF_50; Ano:155892; STol:+-10 %



courbe debit/pression / Acoustic

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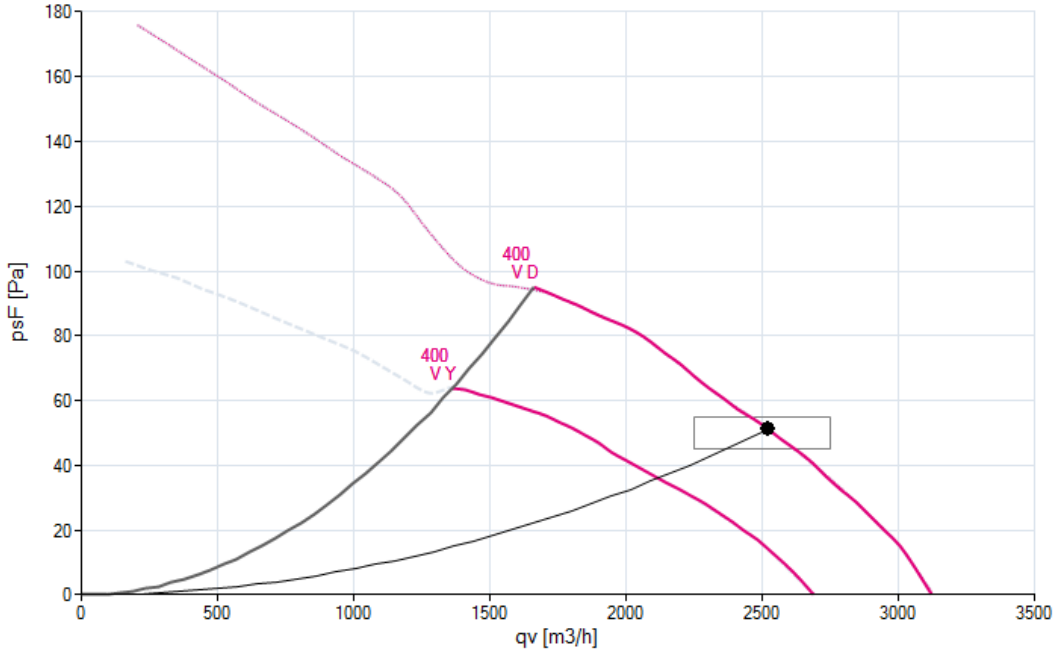
1 FN035-VDK.0F.V7P2

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

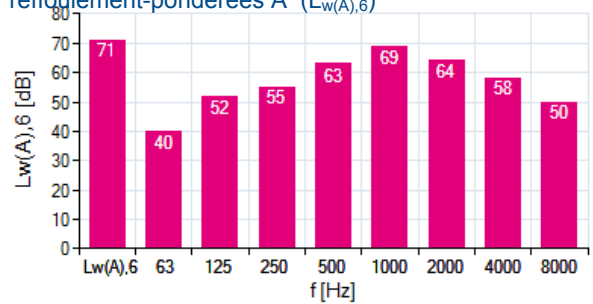
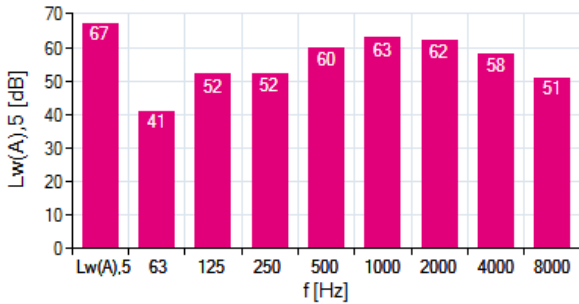
155892 | Portfolio STD-WW

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
$L_{w(A),5}$	67	41	52	52	60	63	62	58	51
$L_{w,5}$	72	68	66	60	63	63	61	57	52

f [Hz]	sum	63	125	250	500	1000	2000	4000	8000
$L_{w(A),6}$	71	40	52	55	63	69	64	58	50
$L_{w,6}$	74	67	66	63	65	69	63	57	51



rendement / puissance

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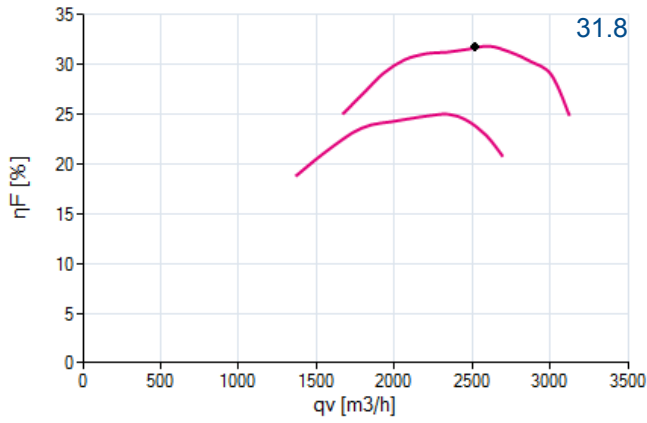
FN035-VDK.0F.V7P2

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

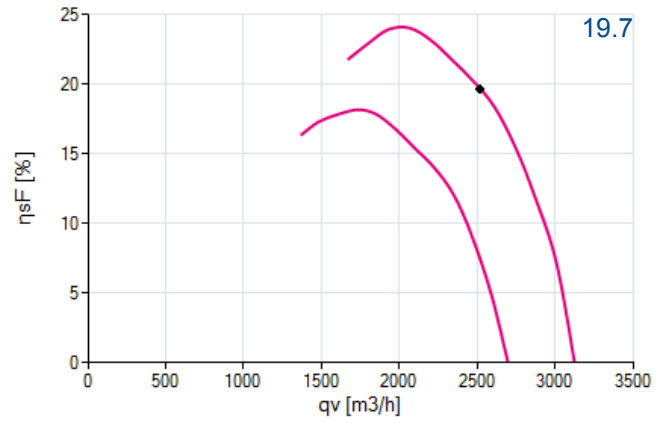
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densité de mesure 1.18 [kg/m³]

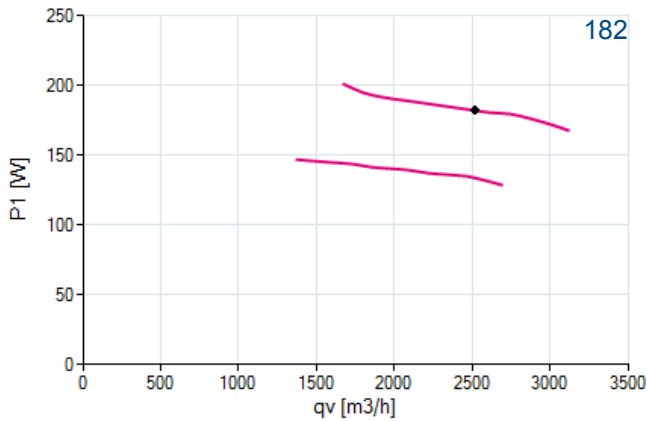
rendement η_F



rendement η_{sF}



puissance P_1



valeur nominale

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3~ 400V +10/-10 D/Y 50Hz P1 0.19/0.14kW
 0.40/0.23A DI=0% 1390/1170/MIN COSY 0.69 70°C
 3~ 400V +10/-10 D/Y 60Hz P1 0.28/0.18kW
 0.48/0.30A DI=10% 1560/1100/MIN COSY 0.84 70°C
 3~ 460V +10/-10 D/Y 60Hz P1 0.30/0.22kW
 0.46/0.30A DI=10% 1630/1250/MIN COSY 0.82 70°C
 IP54 THCL155

plan

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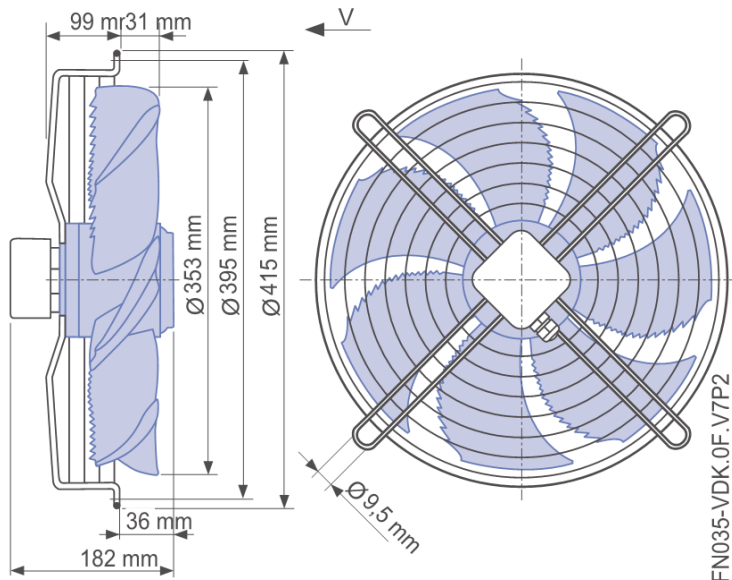


schéma de bobinage

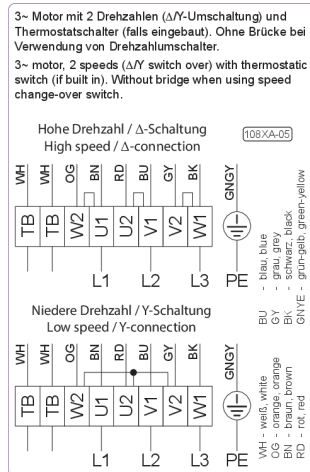
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