



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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FN040-VDK.0F.V7P1 | 152907 | 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	FN040-VDK.0F.V7P1
n°article	152907 Portfolio STD-WW

caractéristiques

moteur		AC
tension principale	-	3~ 400V 50Hz Y
intensité nominale (I _N)	A	0.27
température ambiante (t _r)	°C	70
rendement η _{statA}	%	33,2
Rendement N _{actual} N _{target}		43,6 40
classe ErP		2015
grille influence		pressure side measured

données ventilateur

classe-SFP valeur SFP (P _{SFP})	- Ws/m ³	1 246
FEI	-	1.82
débit (q _v)	m ³ /h	2375
pression, stat. (p _{sF}) tot. (p _F)	Pa	45 61
puissance absorbée (P _i)	W	163
rendement, stat. (η _{sF}) tot. (η _F)	%	18.3 24.8
vitesse ventilateur (n) max. (n _{max})	1/min	1100 -
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	0.26
niveau sonore, coté aspiration (L_{w(A),5}) (L _{w,5})	dB	61 66
niveau sonore, coté refoulement (L_{w(A),6}) (L _{w,6})	dB	63 67
dimensions (LxIxh)	mm	492 x 492 x 187
poids (m _{pr})	kg	5.5

PF:PF_50; Ano:152907; STol:+-10 %



courbe debit/pression / Acoustic

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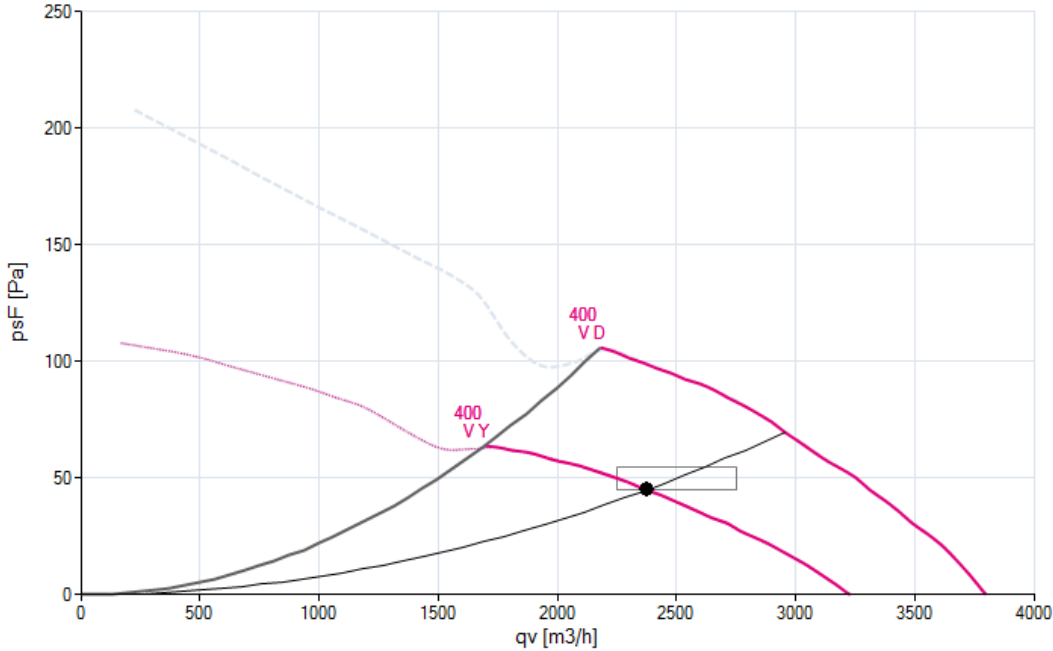
FN040-VDK.0F.V7P1

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

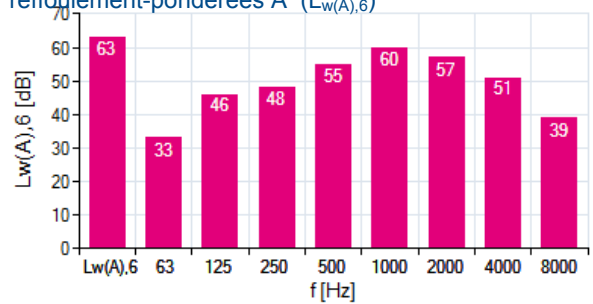
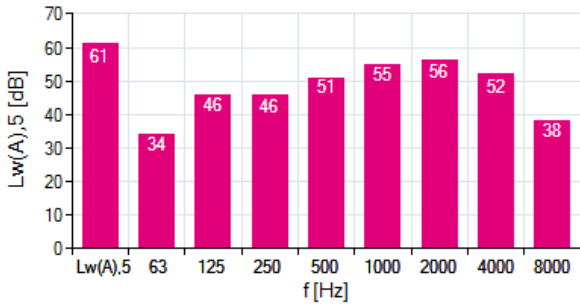
152907 | Portfolio STD-WW

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
$L_{w(A),5}$	61	34	46	46	51	55	56	52	38
$L_{w,5}$	66	60	62	54	55	56	55	51	39

f [Hz]	sum	63	125	250	500	1000	2000	4000	8000
$L_{w(A),6}$	63	33	46	48	55	60	57	51	39
$L_{w,6}$	67	59	62	56	58	60	56	50	39



rendement / puissance

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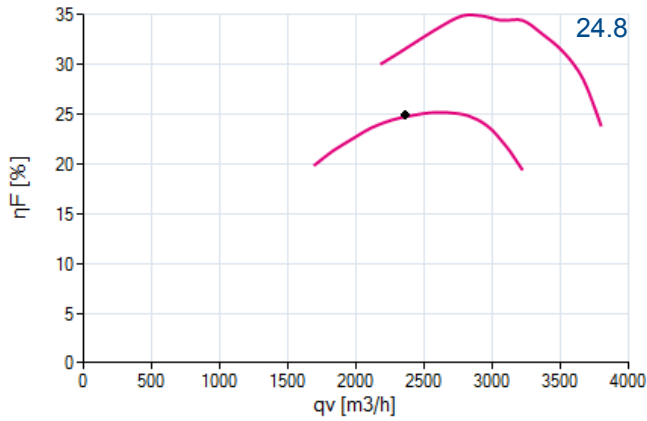
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Measured in short nozzle with pressure side guard grille in air flow direction V in installation type A according to ISO5801

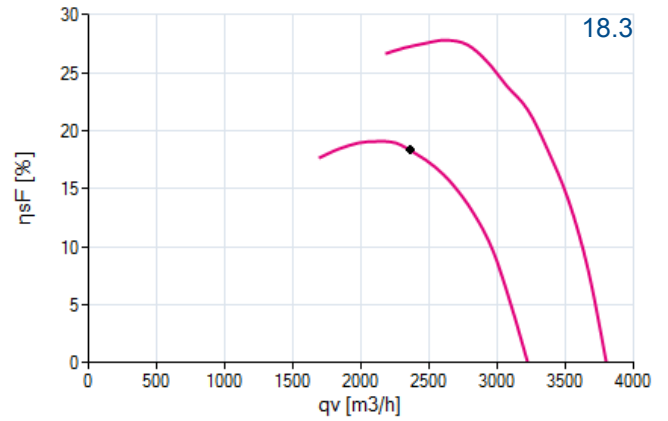
152907 | Portfolio STD-WW

densité de mesure 1.16 [kg/m³]

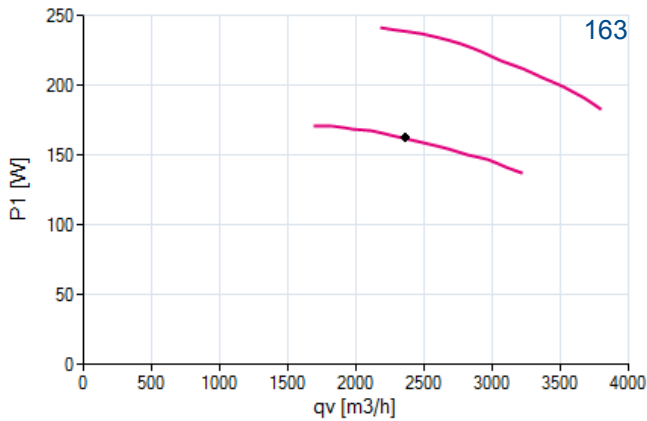
rendement η_F



rendement η_{sF}



puissance P_1



valeur nominale

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3~ 400V +10/-10 D/Y 50Hz P1 0.23/0.17kW P2 0.17/0.08kW
 0.46/0.27A DI=0% 1360/1080/MIN COSY 0.73 70°C
 3~ 400V +10/-10 D/Y 60Hz P1 0.35/0.20kW P2 0.22/0.06kW
 0.57/0.32A DI=5% 1500/960/MIN COSY 0.87 60°C
 3~ 460V +10/-10 D/Y 60Hz P1 0.37/0.24kW P2 0.26/0.09kW
 0.56/0.34A DI=5% 1580/1110/MIN COSY 0.83 60°C
 IP54 THCL155

plan

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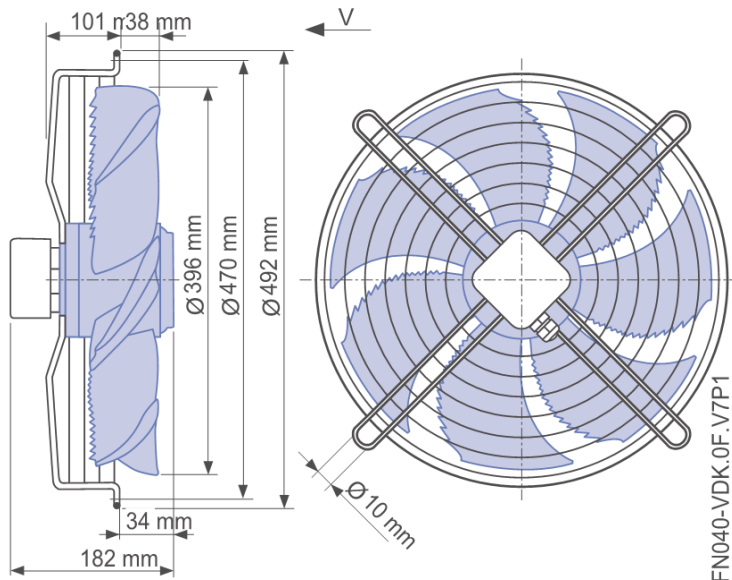


schéma de bobinage

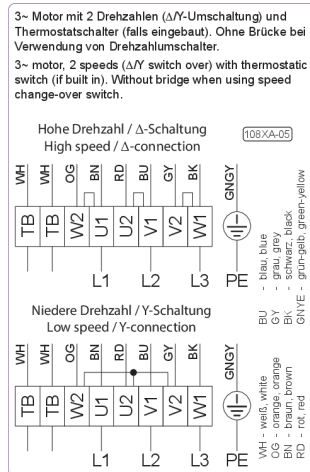
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