

FANselect

general description

1/7/2020

version FANselect V 1.01 (180515), AMCA V 1.02 April, 2018 / 1.18.05.15 | 32552 | (user ZAFS22552)

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**FN050-VDK.4I.V7P1 | 141407 | Portfolio STD-WW | FE2owlet AC ERM**

Range FN

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fan data

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type	FN050-VDK.4I.V7P1
article no.	141407 Portfolio STD-WW

technical data

motor		AC ERM
mains supply	-	3~ 400V 50Hz D
nominal current (I_N)	A	1.70
ambient temperature, max. limit (t_a)	°C	70
efficiency grade η_{statA}	%	33,4
efficiency grade $N_{actual} N_{target}$	%	40,7 40
ErP-conformity		2015
grille influence		pressure side measured

fan data

frequency (f_{BP}) (f_{max})	Hz	50 60
product weight (m_{pr})	kg	13.3

PF:PF_00; Ano:141407; STol:+-10 %

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performance curve / acoustics

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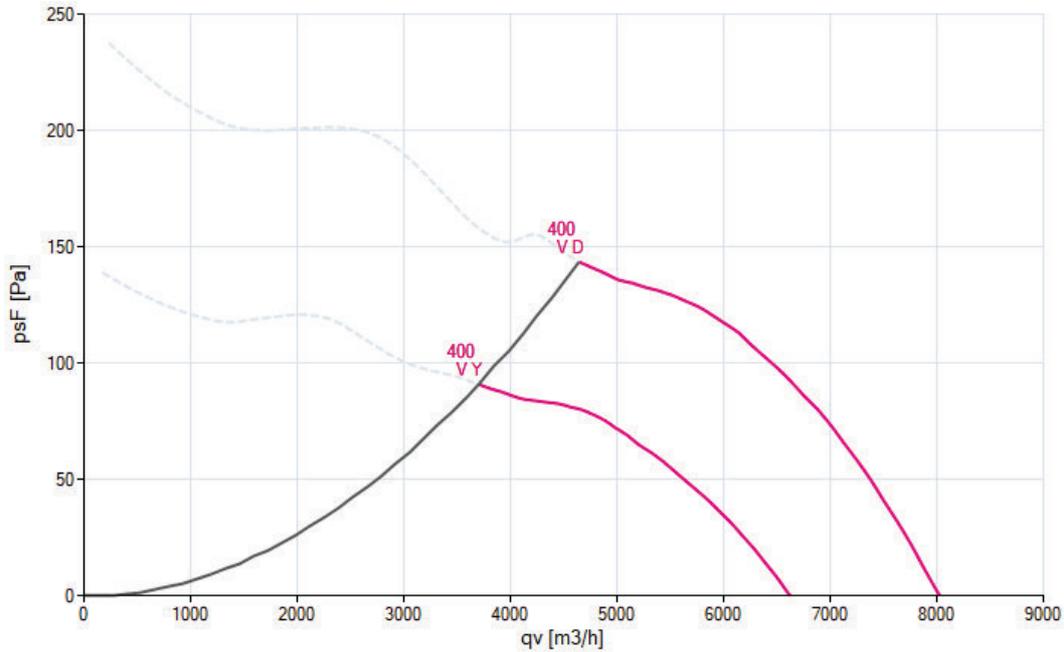
1 FN050-VDK.4I.V7P1

Measured in short nozzle with guard grille on pressure side with airflow direction V in installation type A according to ISO 5801

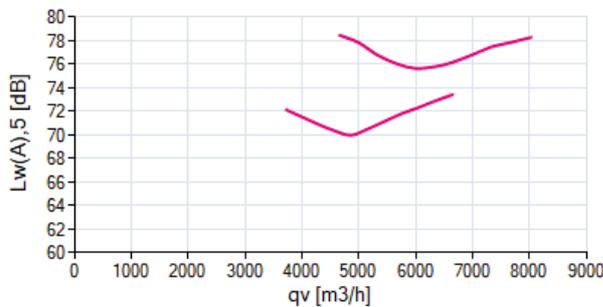
141407 | Portfolio STD-WW

measurement density 1.16 [kg/m³]

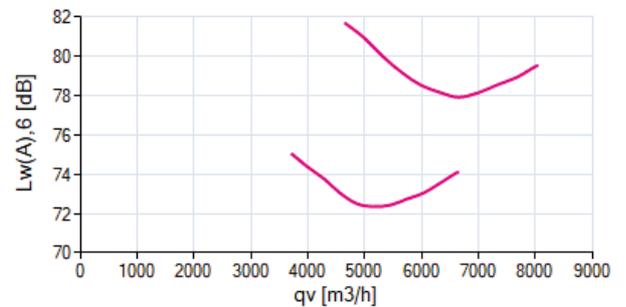
air performance p_{sF}



acoustics ($L_{w(A),5}$)



acoustics ($L_{w(A),6}$)



1 FN050-VDK.4I.V7P1

f [Hz]	sum	63	125	250	500	1000	2000	4000	8000
$L_{w(A),5}$	-	-	-	-	-	-	-	-	-
$L_{w,5}$	-	-	-	-	-	-	-	-	-

f [Hz]	sum	63	125	250	500	1000	2000	4000	8000
$L_{w(A),6}$	-	-	-	-	-	-	-	-	-
$L_{w,6}$	-	-	-	-	-	-	-	-	-

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efficiency grade / power input

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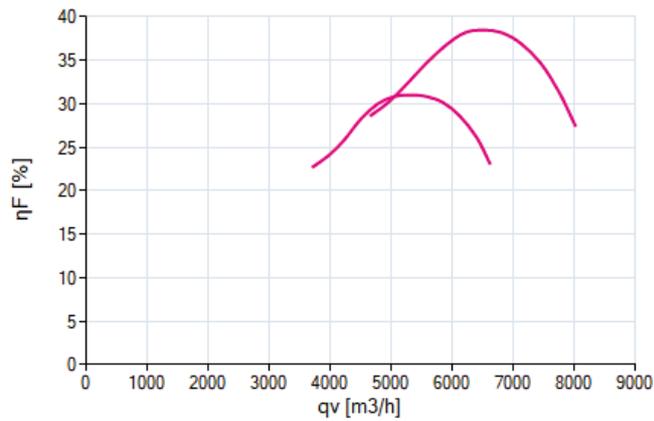
FN050-VDK.4I.V7P1

Measured in short nozzle with guard grille on pressure side with airflow direction V in installation type A according to ISO 5801

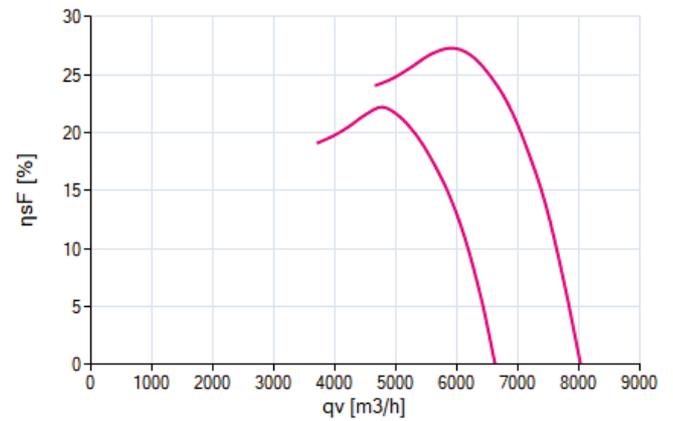
141407 | Portfolio STD-WW

measurement density 1.16 [kg/m³]

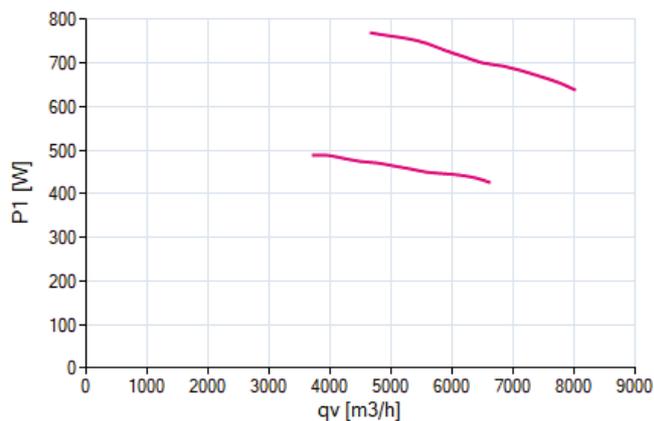
efficiency grade η_F



efficiency grade η_{sF}



power input P_1



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nominal values

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FN050-VDK.4I.V7P1

141407

3~ 400V +10/-10 D/Y 50Hz P1 0.77/0.49kW P2 0.52/0.26kW
 1.70/0.84A DI=0% 1300/1025/MIN COSY 0.64 70°C
 3~ 400V +10/-10 D/Y 60Hz P1 1.10/0.60kW P2 0.64/0.22kW
 1.90/1.00A DI=0% 1400/980/MIN COSY 0.81 70°C
 3~ 460V +10/-10 D/Y 60Hz P1 1.20/0.70kW P2 0.76/0.32kW
 2.00/1.05A DI=0% 1480/1100/MIN COSY 0.76 70°C
 IP54 THCL155

drawing

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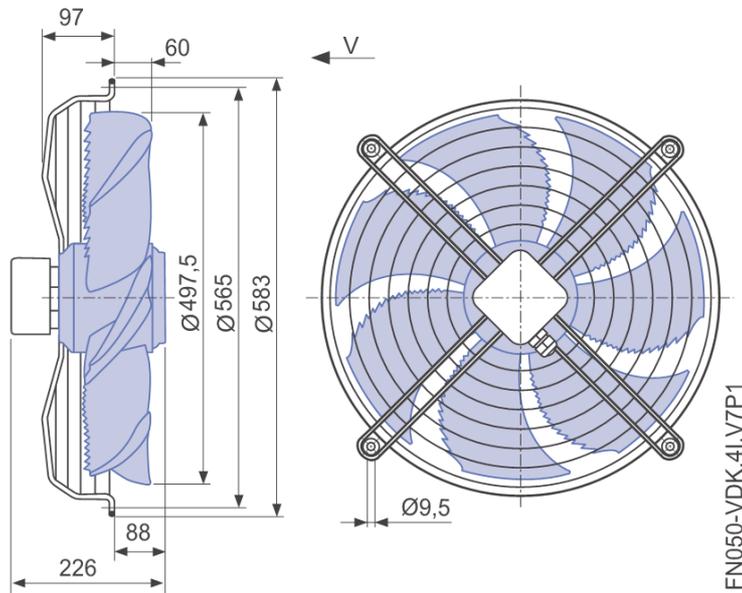
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FN050-VDK.4I.V7P1

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FN050-VDK.4I.V7P1

wiring diagram

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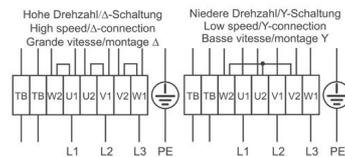
3~ Motor mit 2 Drehzahlen (Δ /Y-Umschaltung) und Thermostatschalter (falls eingebaut). Ohne Brücke bei Verwendung von Drehzahlumschalter.

3~ motor, 2 speeds (Δ /Y switch over) with thermostatic switch (if built in). Without bridge when using speed change-over switch.

Moteur triphasé à 2 vitesses (Δ /Y-commutation) avec interrupteur thermostatique (si incorporé). Les pièces de connexion sont à supprimer avec l'utilisation d'un commutateur de vitesse.

U1	braun	brown	brun
V1	blau	blue	bleu
W1	schwarz	black	noir
U2	rot	red	rouge
V2	grau	grey	gris
W2	orange	orange	orangé
TB	weiß	white	blanc

108XA-02



Anschlusschaltbild im Anschlusskasten aufbewahren.
 Keep wiring diagram in terminal box.
 Conserver le schéma de raccordement dans la boîte à bornes.

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system components

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type	FN050-VDK.4I.V7P1
article no.	141407

mechanical component	guide vane
	type: Ø 500 article no.: 00286705
	guide vane
	type: Ø 500 article no.: 00291529