



fan data

05.11.2024

version FANselect V 1.01 (241105), AMCA V 1.03 September, 2021
RLT V 1.00 Dezember, 2021 / 1.24.11.05 | 30813 | (user ZAFS20813)



type	FN050-VDW.41.A7P1
article no.	156556 Portfolio STD-WW

technical data

motor	AC	
mains supply	-	3~ 400V 50Hz D
nominal current (I _N)	A	1.45
ambient temperature, max. limit (t _r)	°C	70
efficiency grade η_{statA}	%	34,2
efficiency grade N_{actual} N_{target}	41,3 40	
ErP-conformity	2015	
grille influence	pressure side not measured	

fan data

frequency (f _{DE}) (f _{max})	Hz	50 50
dimensions (w x h x d)	mm	591 x 591 x 227
product weight (m _{pr})	kg	13.8

PF:PF_50; Type:FN050-V; STol:+-10 %

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performance curve / acoustics

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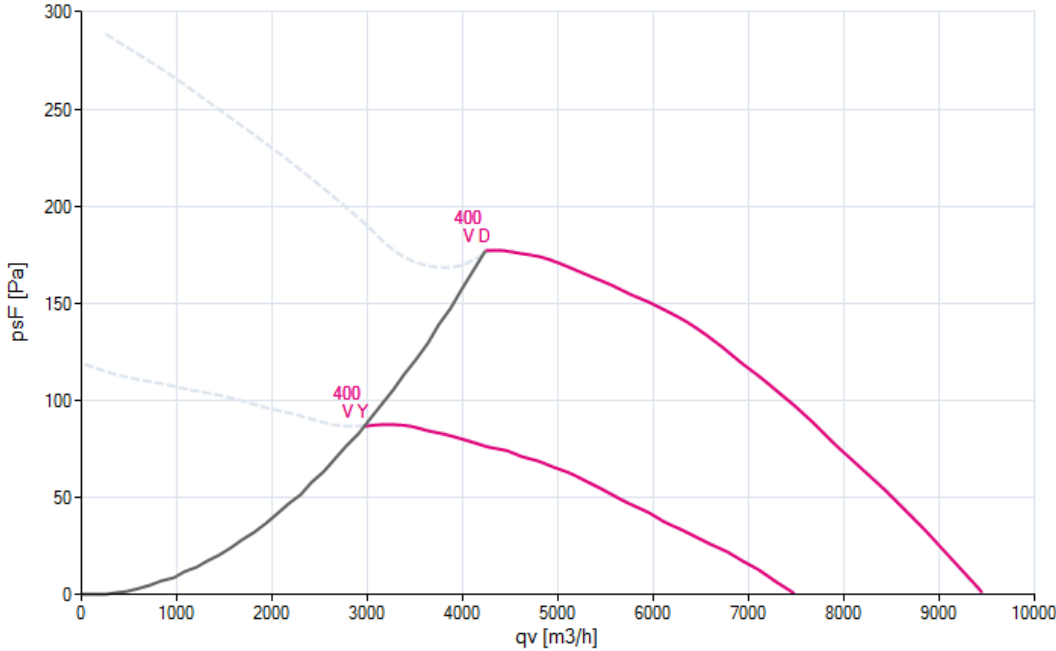
FN050-VDW.4I.A7P1

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

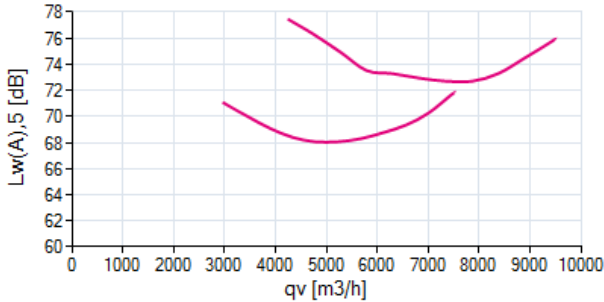
156556 | Portfolio STD-WW

measurement density 1.15 [kg/m³]

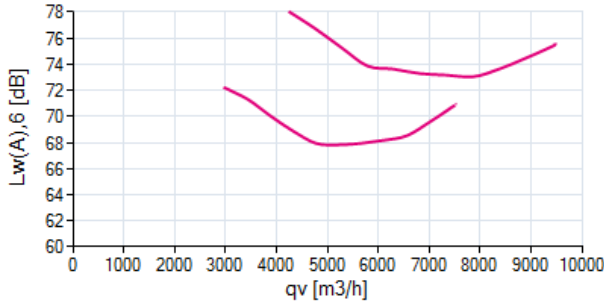
air performance p_{sF}



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



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



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





efficiency grade / power input

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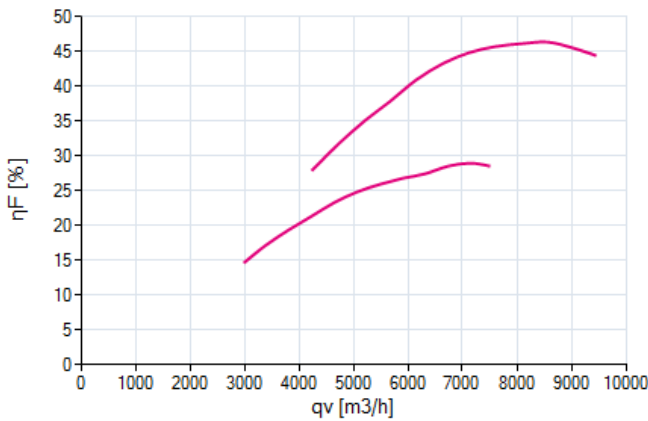
1

FN050-VDW.4I.A7P1

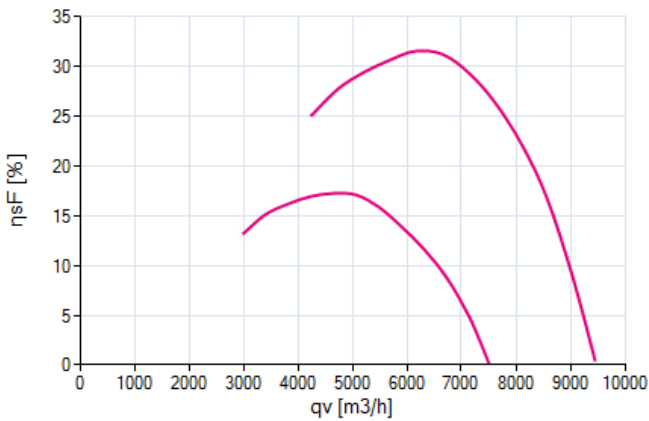
Measured in full nozzle without guard grille in air flow direction V in installation type A according to ISO5801

156556 | Portfolio STD-WW measurement density 1.15 [kg/m³]

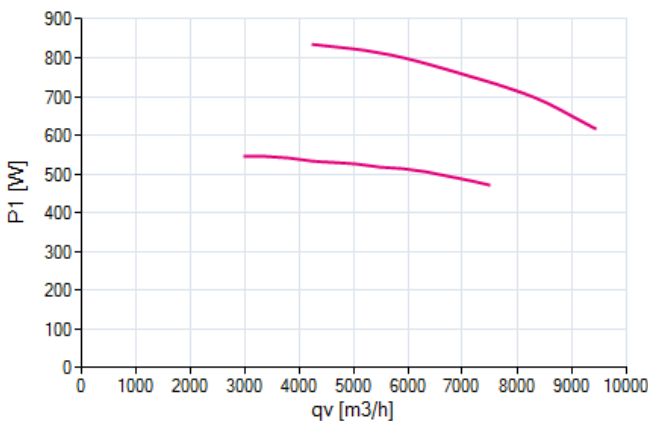
efficiency grade η_F



efficiency grade η_{sF}



power input P_1



FANselect

nominal values

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FN050-VDW.4I.A7P1

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3~ 400V +10/-10 D/Y 50Hz P1 0.84/0.54kW P2 0.60/0.22kW
1.45/0.96A DI=15% 1340/940/MIN COSY 0.80 70°C
IP54 THCL155

drawing

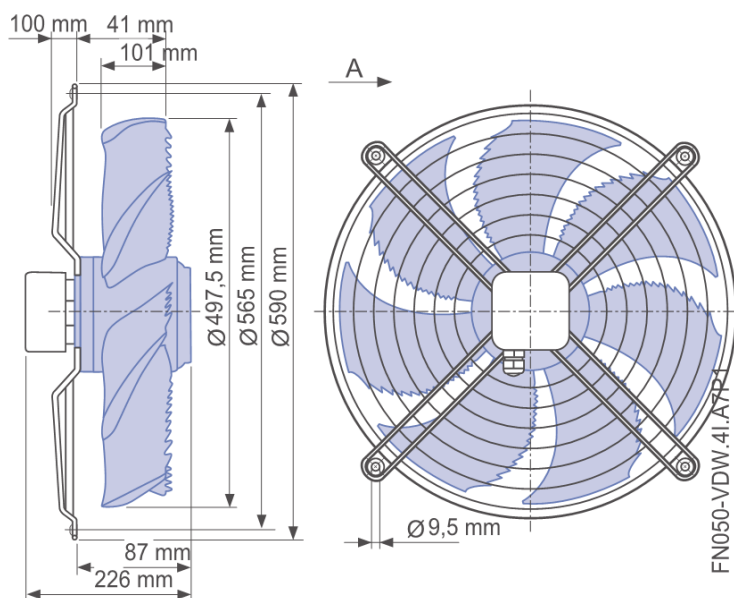
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wiring diagram

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FN050-VDW.4I.A7P1

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not
available



system components

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