



fan data

31.05.2023

version FANselect V 1.01 (230531), AMCA V 1.03 September, 2021<br>RLT V 1.00 Dezember, 2021 / 1.23.05.31 | 28707 | (user ZAFS18707)



type	FN050-VDK.41.V7P1
article no.	140056   Portfolio STD-WW

technical data

motor	AC	
mains supply	-	3~ 400V 50Hz D
nominal current ( $I_N$ )	A	1.45
ambient temperature, max. limit ( $t_a$ )	°C	70
efficiency grade $\eta_{statA}$	%	34,2
efficiency grade $N_{actual}$   $N_{target}$	41,3   40	
ErP-conformity	2015	
grille   influence	pressure side   measured	

fan data

frequency ( $f_{DP}$ )   ( $f_{max}$ )	Hz	50   50
product weight ( $m_{pr}$ )	kg	13.3

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

PF:PF\_50; Ano:140056; STol:+-10 %





performance curve / acoustics

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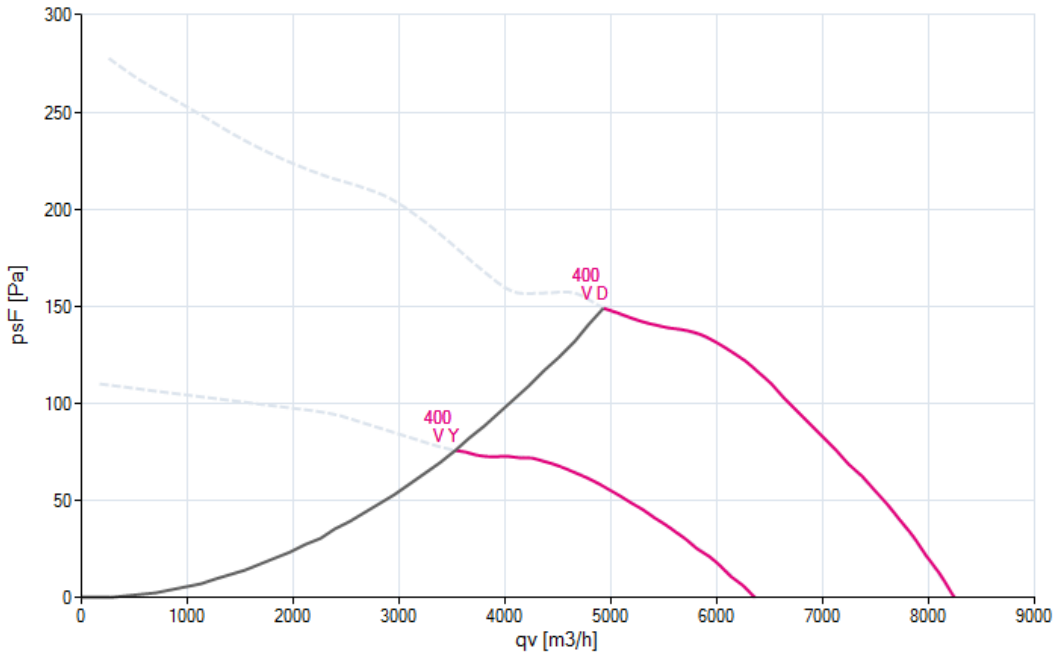
FN050-VDK.4I.V7P1

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

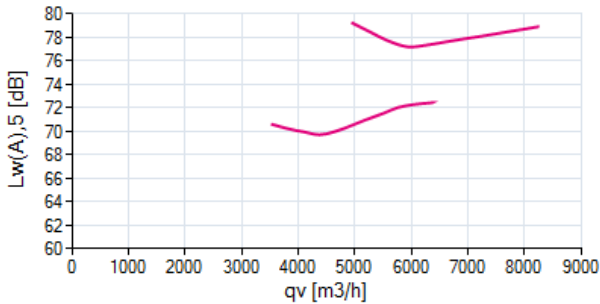
140056 | Portfolio STD-WW

measurement density 1.16 [kg/m³]

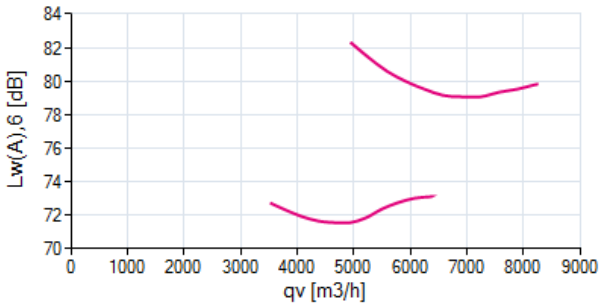
air performance p<sub>sF</sub>



acoustics (L<sub>w(A),5</sub>)



acoustics (L<sub>w(A),6</sub>)



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f [Hz]	sum	63	125	250	500	1000	2000	4000	8000
L <sub>w(A),5</sub>	-	-	-	-	-	-	-	-	-
L <sub>w,5</sub>	-	-	-	-	-	-	-	-	-

f [Hz]	sum	63	125	250	500	1000	2000	4000	8000
L <sub>w(A),6</sub>	-	-	-	-	-	-	-	-	-
L <sub>w,6</sub>	-	-	-	-	-	-	-	-	-

