FANselect

fan data

19.11.2024

version FANselect V 1.01 (241118), AMCA V 1.03 September, 2021
RLT V 1.00 Dezember, 2021 / 1.24.11.18 | 30813 | (user ZAFS20813)

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type		FN100-MDS.7M.V5P1
article no.		167921 | Portfolio STD-WW

technical data

motor		AC
mains supply	-	3~ 400V 50Hz D
nominal current (I_N)	A	2.50
ambient temperature, max. limit (t_r)	°C	70
efficiency grade η_{statA}	%	33,4
efficiency grade $\mathbf{N_{actual}}$ | N_{target}		**40,1** | 40
ErP-conformity		2015
grille | influence		pressure side | measured

fan data

frequency ($\mathbf{f_{DP}}$) | (f_{max})	Hz	**50** | 60
dimensions (w x h x d)	mm	1090 x 1090 x 293
product weight (m_{pr})	kg	48.6

PF:PF_50; Type:FN100-MDS; STol:+-10 %

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performance curve / acoustics

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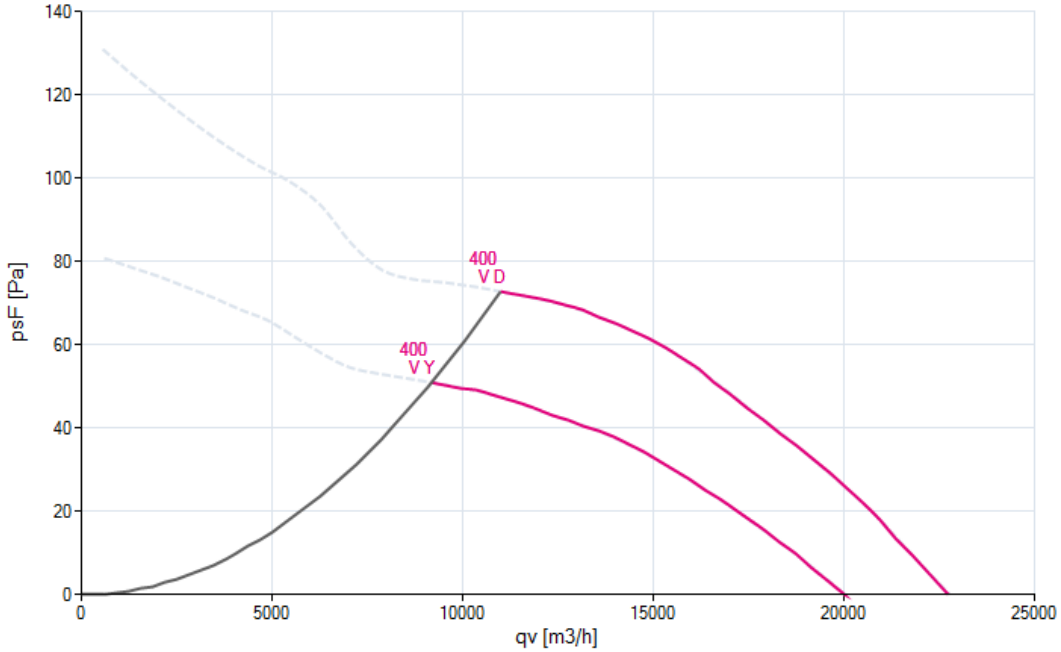
1 FN100-MDS.7M.V5P1

167921 | Portfolio STD-WW

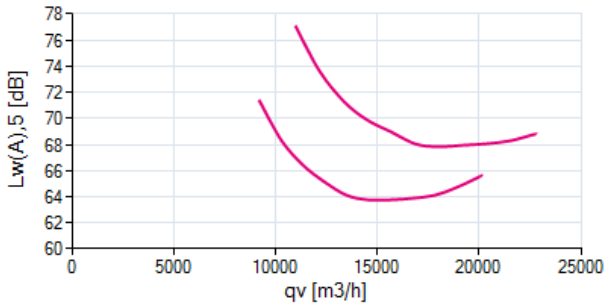
Measured in full nozzle with pressure side guard grille in air flow direction V in installation type A according to ISO5801

measurement density 1.19 [kg/m³]

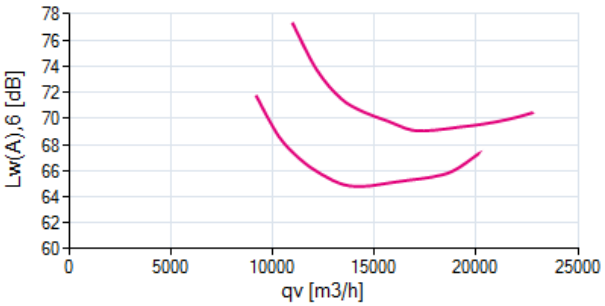
air performance p_{sF}



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



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



1 FN100-MDS.7M.V5P1

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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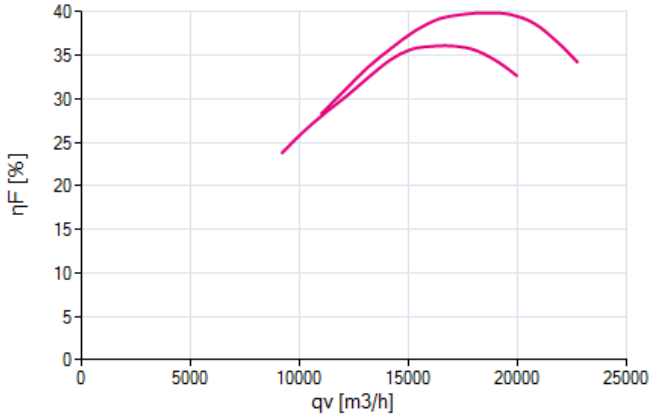
1 FN100-MDS.7M.V5P1

167921 | Portfolio STD-WW

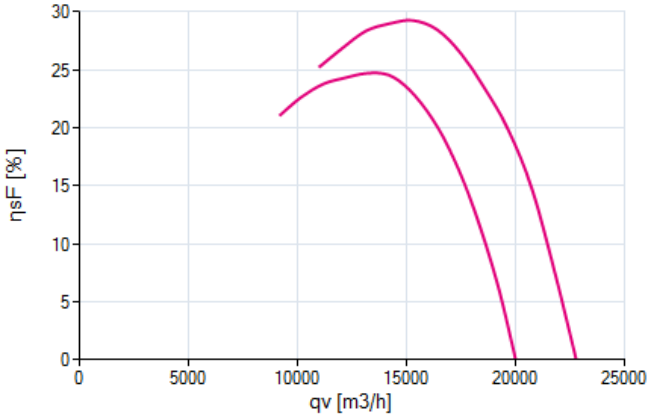
Measured in full nozzle with pressure side guard grille in air flow direction V in installation type A according to ISO5801

measurement density 1.19 [kg/m³]

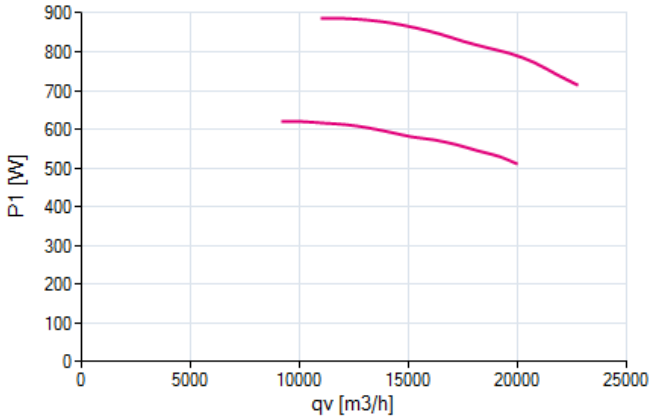
efficiency grade η_F



efficiency grade η_{sF}



power input P_1



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nominal values

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3~ 400V +10/-10 D/Y 50Hz P1 0.88/0.62kW P2 0.57/0.34kW
2.50/1.25A DI=0% 550/460/MIN COSY 0.50 70°C
3~ 400V +10/-10 D/Y 60Hz P1 1.25/0.72kW P2 0.78/0.27kW
2.70/1.55A DI=5% 620/420/MIN COSY 0.67 70°C
3~ 460V +10/-10 D/Y 60Hz P1 1.35/0.88kW P2 0.91/0.40kW
2.80/1.60A DI=0% 650/490/MIN COSY 0.61 70°C
IP54 THCL155

drawing

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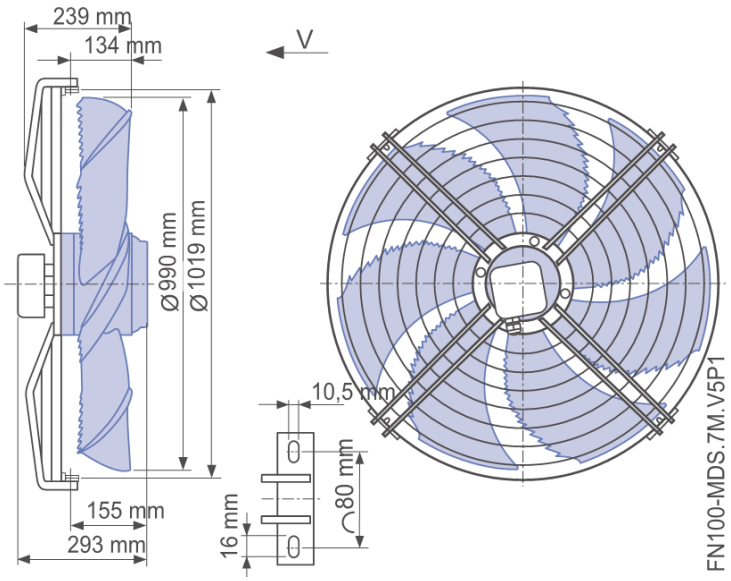

wiring diagram

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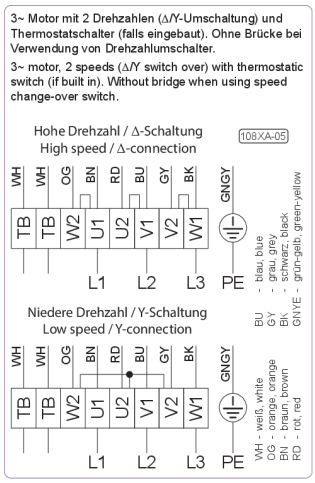

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system components

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type	FN100-MDS.7M.V5P1
article no.	167921

mechanical component	backdraft fan shutter type: SVK1000 article no.: 00264388