



fan data

30.10.2024

version FANselect V 1.01 (241030), AMCA V 1.03 September, 2021
RLT V 1.00 Dezember, 2021 / 1.24.10.30 | 30813 | (user ZAFS20813)



type	FN100-NDS.7M.V5P1
article no.	160994 Portfolio STD-WWW

technical data

motor		AC
mains supply	-	3~ 460V 60Hz D
nominal current (I_N)	A	1.55
ambient temperature, max. limit (t_r)	°C	70
efficiency grade η_{statA}	%	33,0
efficiency grade N_{actual} N_{target}		40,4 40
ErP-conformity		2015
grille influence		pressure side measured

fan data

frequency (f_{DP}) (f_{max})	Hz	60 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; STol:+-10 %

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performance curve / acoustics

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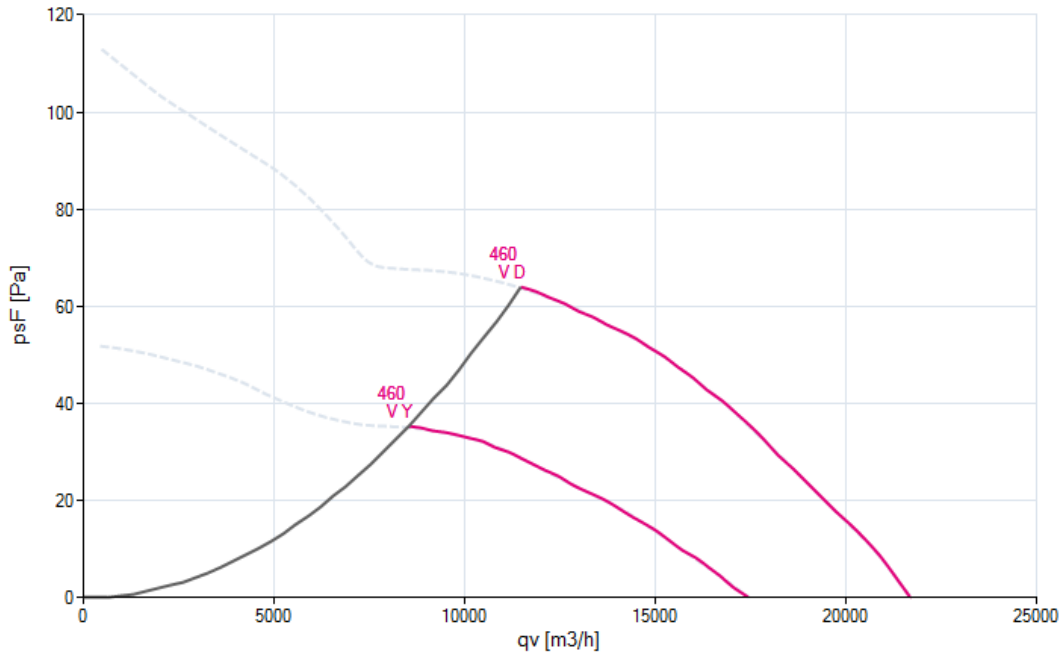
FN100-NDS.7M.V5P1

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

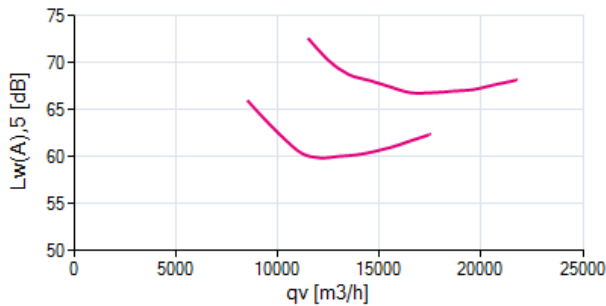
160994 | Portfolio STD-WW

measurement density 1.19 [kg/m³]

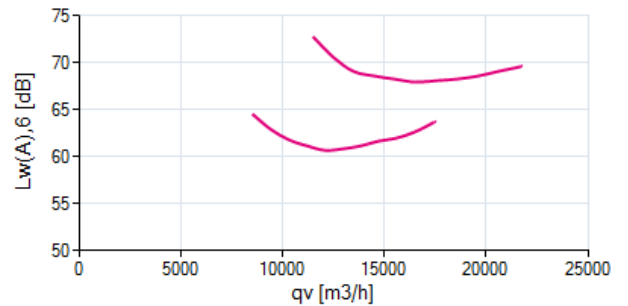
air performance p_{sF}



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

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efficiency grade / power input

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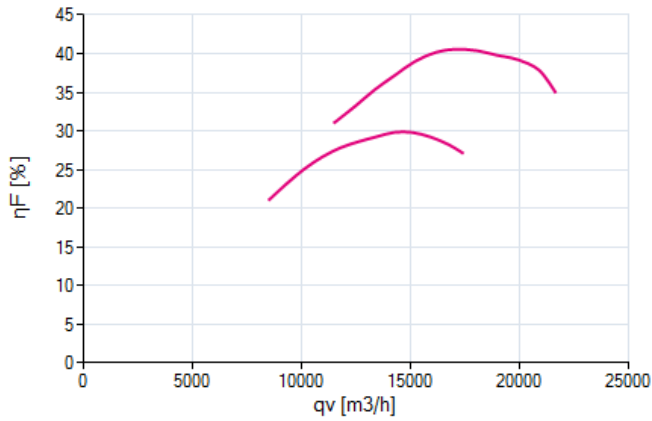
FN100-NDS.7M.V5P1

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

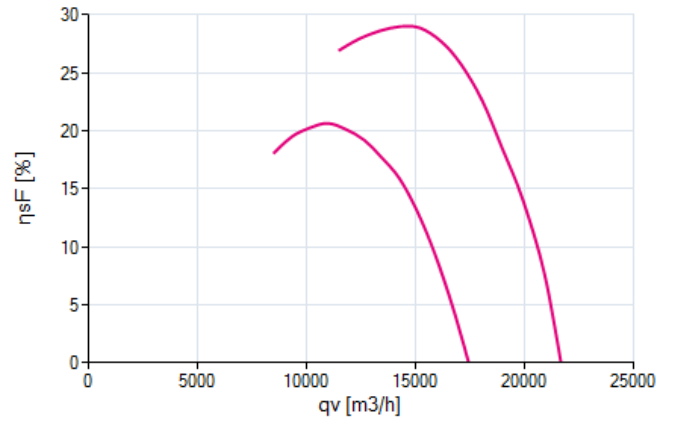
160994 | Portfolio STD-WW

measurement density 1.19 [kg/m³]

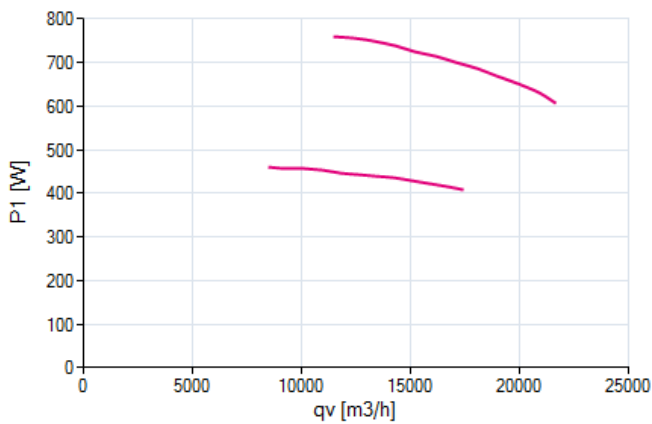
efficiency grade η_F



efficiency grade η_{sF}



power input P_1





nominal values

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3~ 400V +10/-10 D/Y 50Hz P1 0.50/0.33kW P2 0.32/0.16kW
1.40/0.70A DI=0% 450/370/MIN COSY 0.50 70°C
3~ 400V +10/-10 D/Y 60Hz P1 0.68/0.37kW P2 0.40/0.12kW
1.55/0.80A DI=0% 500/340/MIN COSY 0.65 70°C
3~ 460V +10/-10 D/Y 60Hz P1 0.76/0.46kW P2 0.48/0.19kW
1.55/0.84A DI=0% 530/390/MIN COSY 0.60 70°C
IP54 THCL155

drawing

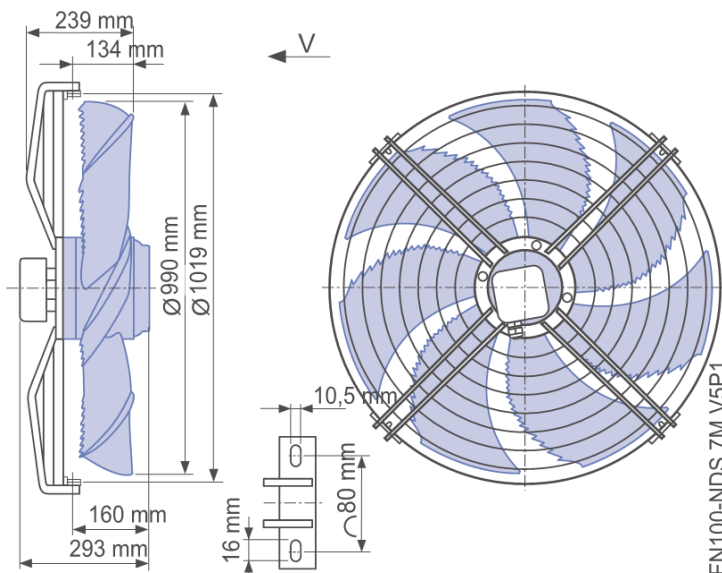
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wiring diagram

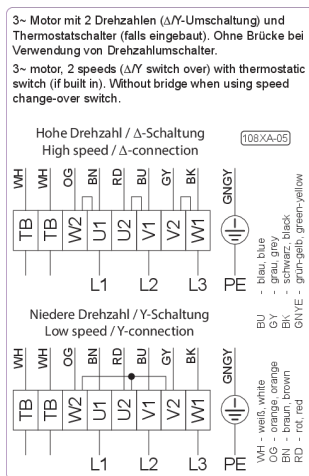
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system components

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type	FN100-NDS.7M.V5P1
article no.	160994

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