



fan data

04.11.2024

version FANselect V 1.01 (241104), AMCA V 1.03 September, 2021
RLT V 1.00 Dezember, 2021 / 1.24.11.04 | 30813 | (user ZAFS20813)



type	FN045-VDW.2F.A7P2
article no.	153032 Portfolio STD-WW

technical data

motor		AC
mains supply	-	3~ 400V 50Hz Y
nominal current (I_N)	A	0.35
ambient temperature, max. limit (t_r)	°C	70
efficiency grade η_{statA}	%	30,8
efficiency grade N_{actual} N_{target}		40,1 40
ErP-conformity		2015 VSD required
grille influence		pressure side measured

fan data

SFP-class SFP-value (P_{SFP})	- Ws/m^3	1 313
FEI	-	1.47
airflow volume (q_v)	m^3/h	2576
pressure, stat. (p_{sF}) tot. (p_F)	Pa	53 65
electrical power input (P_1)	W	224
efficiency grade, stat. (η_{sF}) tot. (η_F)	%	17,0 20,8
fan speed (n) max. (n_{max})	1/min	961 -
frequency (f_{DP}) (f_{max})	Hz	50 60
voltage (U_{DP})	V	400
current (I_{DP})	A	0.35
acoustics, suction side ($L_{w(A),5}$) ($L_{w,5}$)	dB	62 71
acoustics, pressure side ($L_{w(A),6}$) ($L_{w,6}$)	dB	64 71
dimensions (w x h x d)	mm	544 x 544 x 186
product weight (m_{pr})	kg	6.3

PF:PF_50; Type:FN045; STol:+-10 %



performance curve / acoustics

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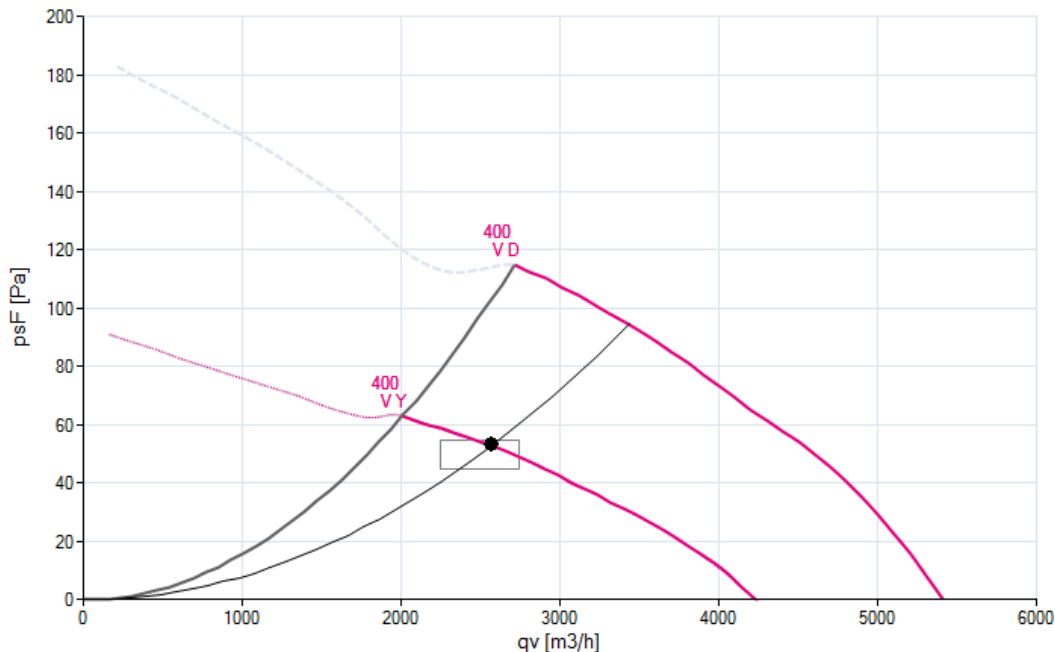
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1 FN045-VDW.2F.A7P2

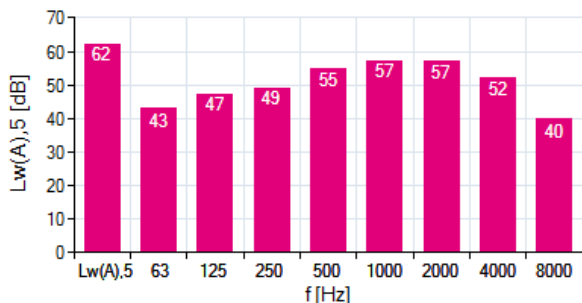
Measured in short nozzle with pressure side guard grille in air flow direction V in installation type A according to ISO5801

153032 | Portfolio STD-WW measurement density 1.18 [kg/m³]

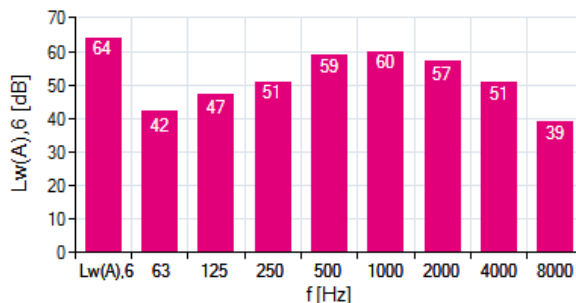
air performance p_{sF}



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
$L_{w(A),5}$	62	43	47	49	55	57	57	52	40
$L_{w,5}$	71	69	64	58	58	58	56	51	40

f [Hz]	sum	63	125	250	500	1000	2000	4000	8000
$L_{w(A),6}$	64	42	47	51	59	60	57	51	39
$L_{w,6}$	71	68	64	60	61	61	56	50	39

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efficiency grade / power input

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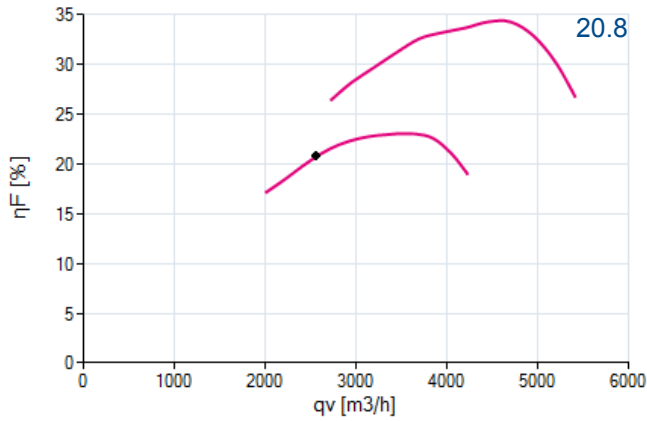
FN045-VDW.2F.A7P2

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

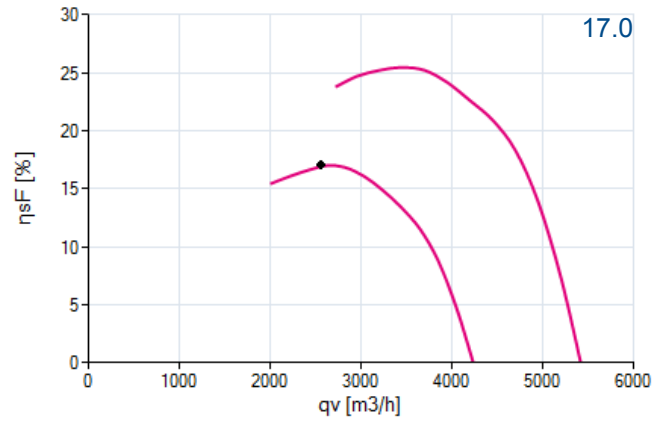
153032 | Portfolio STD-WW

measurement density 1.18 [kg/m³]

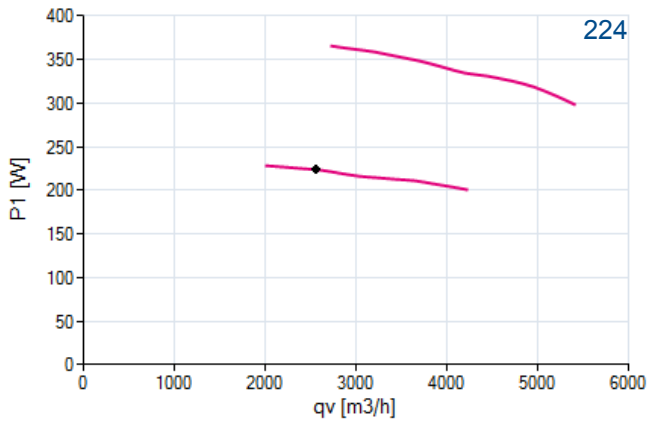
efficiency grade η_F



efficiency grade η_{sF}



power input P_1





nominal values

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3~ 400V +10/-10 D/Y 50Hz P1 0.35/0.22kW
0.64/0.35A DI=0% 1280/970/MIN COSY 0.79 70°C
3~ 400V +10/-10 D/Y 60Hz P1 0.49/0.25kW
0.79/0.40A DI=0% 1350/880/MIN COSY 0.89 65°C
3~ 460V +10/-10 D/Y 60Hz P1 0.55/0.31kW
0.80/0.42A DI=0% 1450/1000/MIN COSY 0.87 60°C
IP54 THCL155

drawing

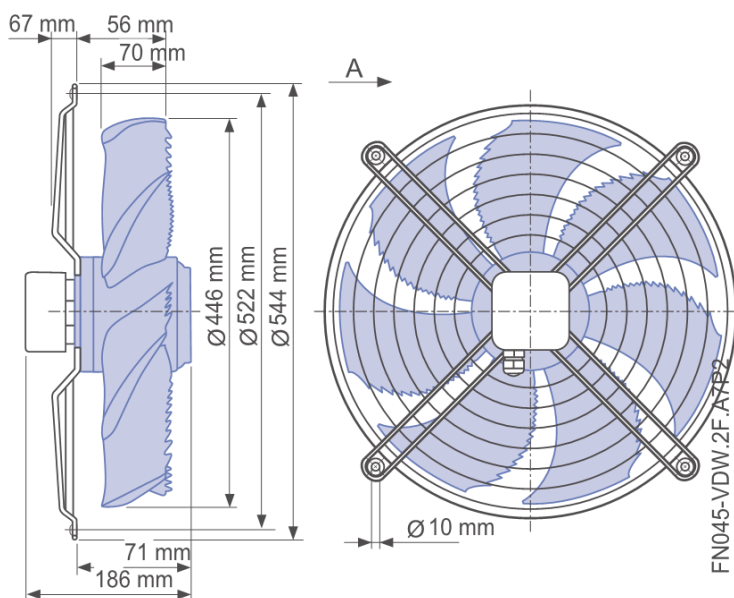
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wiring diagram

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1~Motor mit Kondensator und Thermostatschalter.
1~Motor with capacitor and thermostatic switch.
Moteur monophasé avec condensateur et interrupteur thermostatique.

U2	blau oder grau	blue or grey	bleu ou gris
Z2	schwarz	black	noir
TB	braun	brown	brun



Anschlussschaltbild 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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