



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-WWW

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 _{DP}) (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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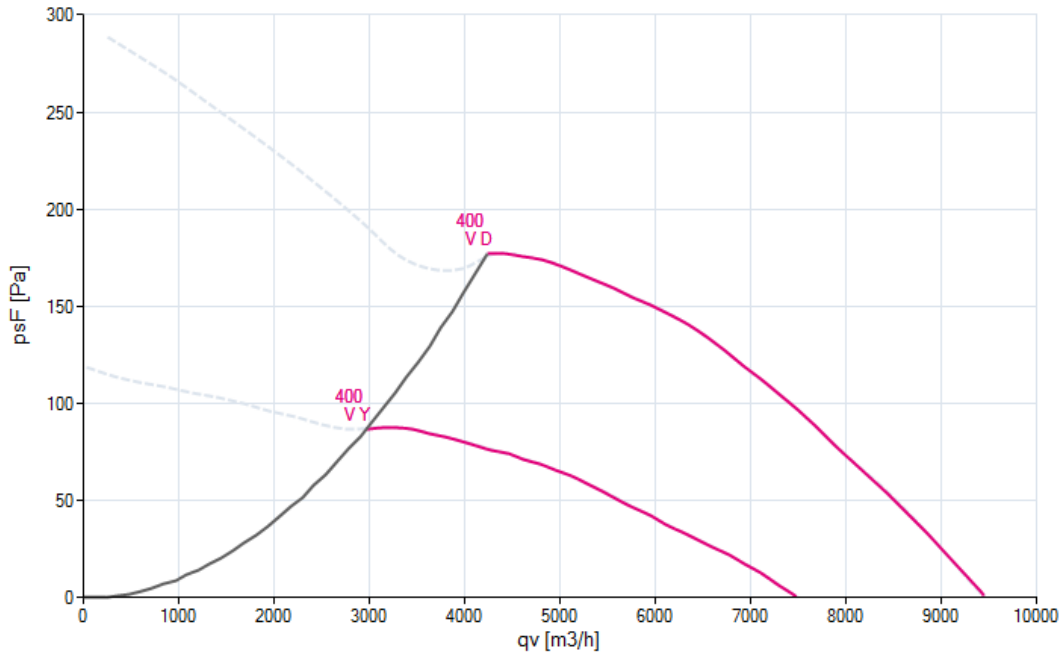
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1 FN050-VDW.4I.A7P1

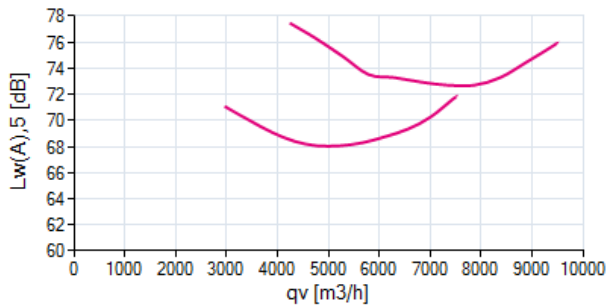
Measured in full nozzle without guard grille in air flow direction V in installation type A according to ISO5801

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

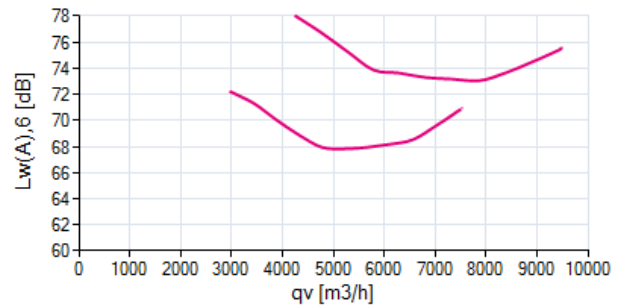
air performance p_{sF}



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



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



1 FN050-VDW.4I.A7P1

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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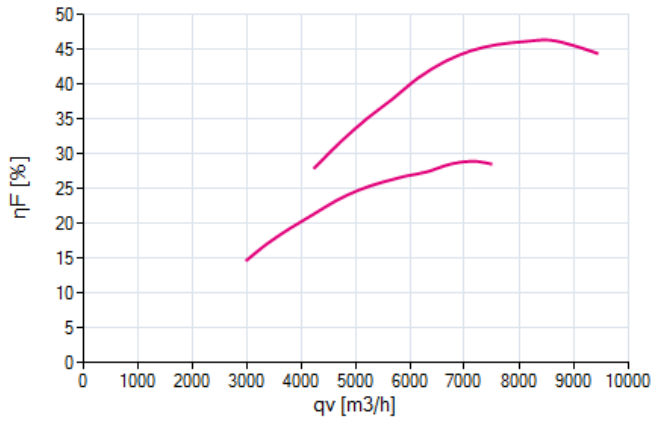
FN050-VDW.4I.A7P1

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

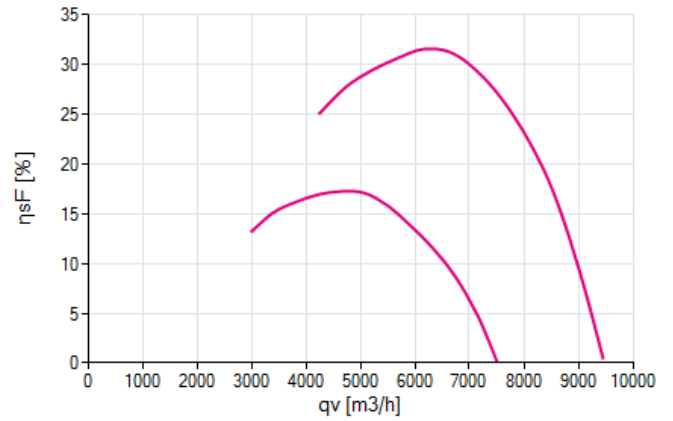
156556 | Portfolio STD-WW

measurement density 1.15 [kg/m³]

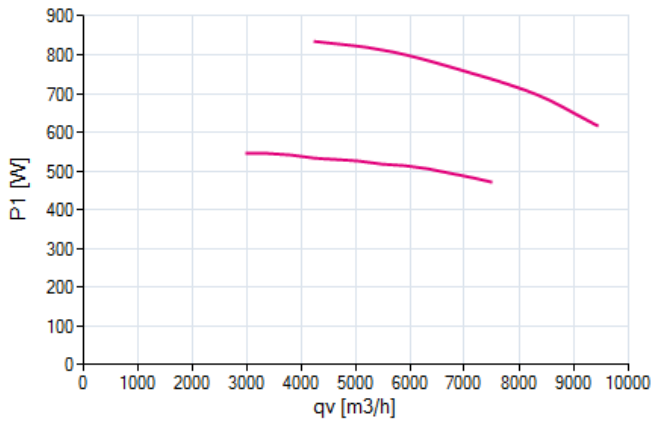
efficiency grade η_F



efficiency grade η_{sF}



power input P_1





nominal values

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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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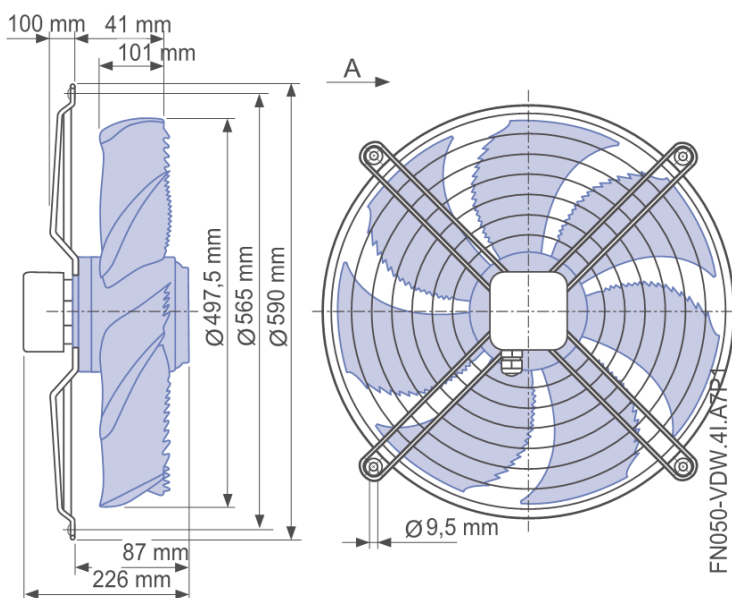
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wiring diagram

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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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