



fan data

31.05.2023

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



type	FN040-4EW.0F.A7P1
article no.	156650 Portfolio STD-WW

technical data

motor		AC
mains supply	-	1~ 230V 50Hz Y
nominal current (I_N)	A	1.05
capacitor (C_{400V})	μF	5.0
ambient temperature, max. limit (t_a)	$^{\circ}C$	65
efficiency grade η_{statA}	%	31,1
efficiency grade N_{actual} N_{target}		41,3 40
ErP-conformity		2015
grille influence		pressure side measured

fan data

SFP-class SFP-value (P_{SFP})	- Ws/m^3	1 287
airflow volume (q_v)	m^3/h	2500
pressure, stat. (p_{sF}) tot. (p_F)	Pa	50 67
electrical power input (P_1)	W	199
efficiency grade, stat. (η_{sF}) tot. (η_F)	%	17.5 23.5
fan speed (n) max. (n_{max})	1/min	1179 1422
frequency (f_{DP}) (f_{max})	Hz	50 60
voltage (U_{DP})	V	179
current (I_{DP})	A	1.11
acoustics, suction side ($L_{w(A),5}$) ($L_{w,5}$)	dB	63 70
acoustics, pressure side ($L_{w(A),6}$) ($L_{w,6}$)	dB	65 71
dimensions (w x h x d)	mm	489 x 489 x 182
product weight (m_{pr})	kg	5.6

nominal values

1~ 230V +10/-10 Y 50Hz P1 0.24kW
 1.05A DI=15% 1340/MIN 5.0 μF /400V 65 $^{\circ}C$
 1~ 230V +10/-10 Y 60Hz P1 0.33kW
 1.45A DI=5% 1480/MIN 5.0 μF /400V 40 $^{\circ}C$
 IP54 THCL155

PF:PF_50; Ano:156650; STol:+-10 %



performance curve / acoustics

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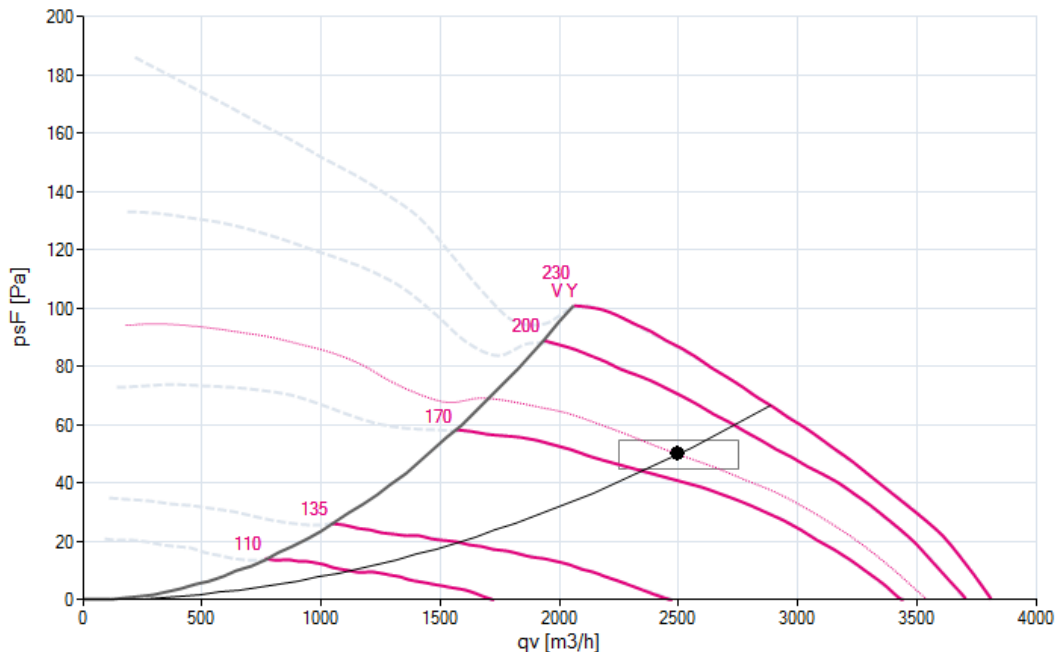
FN040-4EW.0F.A7P1

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

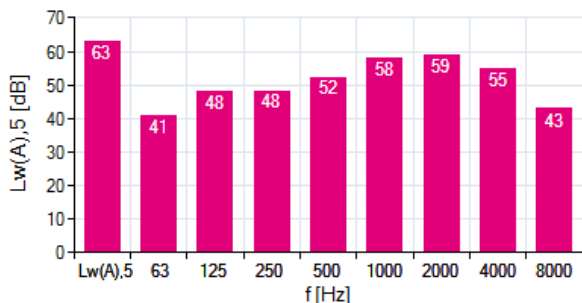
156650 | Portfolio STD-WW

measurement density 1.16 [kg/m³]

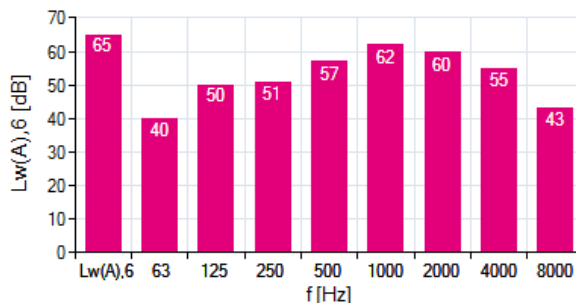
air performance p_{sF}



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
$L_{w(A),5}$	63	41	48	48	52	58	59	55	43
$L_{w,5}$	70	66	65	57	56	58	58	54	43

f [Hz]	sum	63	125	250	500	1000	2000	4000	8000
$L_{w(A),6}$	65	40	50	51	57	62	60	55	43
$L_{w,6}$	71	65	66	59	59	62	58	54	44