



## fan data

31.05.2023

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



type	FN045-6EW.2F.A7P3
article no.	141703   Portfolio STD-WWW

## technical data

motor		AC
mains supply	-	1~ 230V 50Hz Y
nominal current ( $I_N$ )	A	0.82
capacitor ( $C_{400V}$ )	$\mu F$	6.0
ambient temperature, max. limit ( $t_r$ )	$^{\circ}C$	70
efficiency grade $\eta_{statA}$	%	25,3
efficiency grade $N_{actual}   N_{target}$		36,3   36
grille   influence		pressure side   measured

## fan data

SFP-class   SFP-value ( $P_{SFP}$ )	-   $Ws/m^3$	1   258
airflow volume ( $q_v$ )	$m^3/h$	2500
pressure, stat. ( $p_{sF}$ )   tot. ( $p_F$ )	Pa	50   61
electrical power input ( $P_1$ )	W	179
efficiency grade, stat. ( $\eta_{sF}$ )   tot. ( $\eta_F$ )	%	19.4   23.8
fan speed ( $n$ )   max. ( $n_{max}$ )	1/min	855   916
frequency ( $f_{DP}$ )   ( $f_{max}$ )	Hz	50   60
voltage ( $U_{DP}$ )	V	223
current ( $I_{DP}$ )	A	0.82
acoustics, suction side ( $L_{w(A),5}$ )   ( $L_{w,5}$ )	dB	60   73
acoustics, pressure side ( $L_{w(A),6}$ )   ( $L_{w,6}$ )	dB	63   72
dimensions (w x h x d)	mm	544 x 544 x 186
product weight ( $m_{pr}$ )	kg	6.3

## nominal values

1~ 230V +10/-10 Y 50Hz P1 0.18kW  
 0.82A DI=0% 870/MIN 6.0 $\mu F$ /400V 70 $^{\circ}C$   
 1~ 230V +10/-10 Y 60Hz P1 0.24kW  
 1.05A DI=0% 970/MIN 6.0 $\mu F$ /400V 70 $^{\circ}C$   
 IP54 THCL155

PF:PF\_50; Ano:141703; STol:+-10 %



## performance curve / acoustics

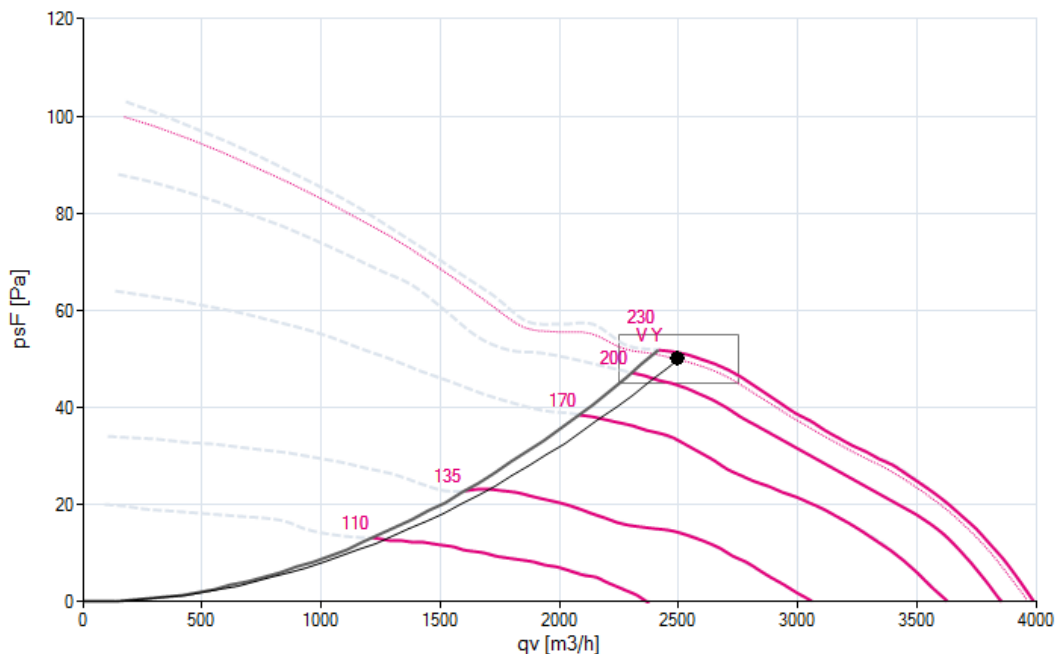
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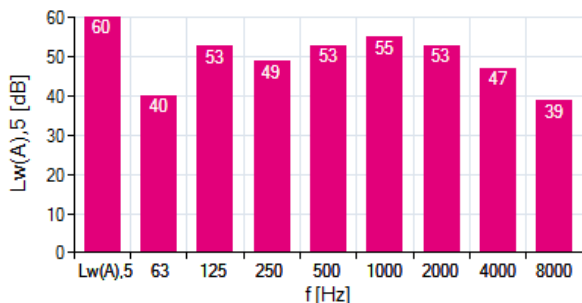
**1** FN045-6EW.2F.A7P3  
141703 | Portfolio STD-WW

Measured in short nozzle with pressure side guard grille in air flow direction V in installation type A according to ISO5801  
measurement density 1.16 [kg/m³]

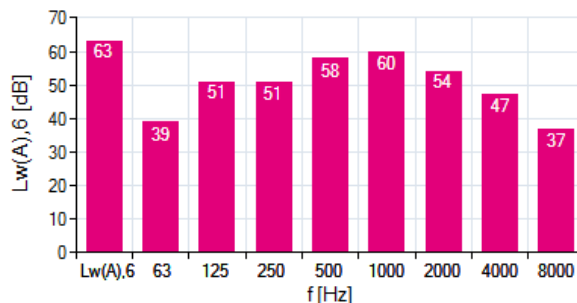
### air performance $p_{sF}$



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



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



1 FN045-6EW.2F.A7P3									
f [Hz]	sum	63	125	250	500	1000	2000	4000	8000
$L_{w(A),5}$	60	40	53	49	53	55	53	47	39
$L_{w,5}$	73	65	72	58	57	55	52	46	40

f [Hz]	sum	63	125	250	500	1000	2000	4000	8000
$L_{w(A),6}$	63	39	51	51	58	60	54	47	37
$L_{w,6}$	72	64	70	60	61	60	53	46	38