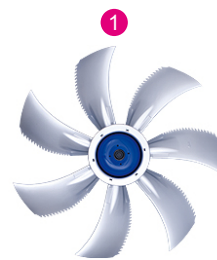




fan data

24.05.2023

version FANselect V 1.01 (230524), AMCA V 1.03 September, 2021
RLT V 1.00 Dezember, 2021 / 1.23.05.24 | 28707 | (user ZAFS18707)



type	FN040-4IL.ZC.A3P6
article no.	178130 Portfolio STD-WWW

technical data

motor	ECblue
Efficiency class	IE4
mains supply	- 1~ 230V 50Hz Y
ambient temperature, max. limit (t_a)	°C 40
efficiency grade η_{statA}	% 48,2
efficiency grade N_{actual} N_{target}	59,8 40
ErP-conformity	2015 EC controller integrated
grille influence	pressure side measured

fan data

SFP-class SFP-value (P_{SFP})	- Ws/m^3	1 132
airflow volume (q_v)	m^3/h	2500
pressure, stat. (p_{sF}) tot. (p_F)	Pa	50 68
electrical power input (P_{sys})	W	92
system eff., stat. ($\eta_{sF,sys}$) tot. ($\eta_{F,sys}$)	%	37.9 51.6
fan speed (n) max. (n_{max})	1/min	1382 1930
fan speed, set value ($\%n_{max}$)	%	72
frequency (f_{DP}) (f_{max})	Hz	50 60
voltage (U_{DP})	V	230
current (I_{DP})	A	0.81
acoustics, suction side ($L_{w(A),5}$) ($L_{w,5}$)	dB	62 69
acoustics, pressure side ($L_{w(A),6}$) ($L_{w,6}$)	dB	62 69
dimensions (w x h x d)	mm	497 x 497 x 157
product weight (m_{pr})	kg	4.4

1~ 200-240V Y 50Hz P1 0.17kW
1.80-1.50A 1930/MIN 40°C
1~ 200-240V Y 60Hz P1 0.17kW
1.80-1.50A 1930/MIN 40°C
IP54 THCL155

nominal values

PF:PF_50; Ano:178130; STol:+-10 %



performance curve / acoustics

24.05.2023

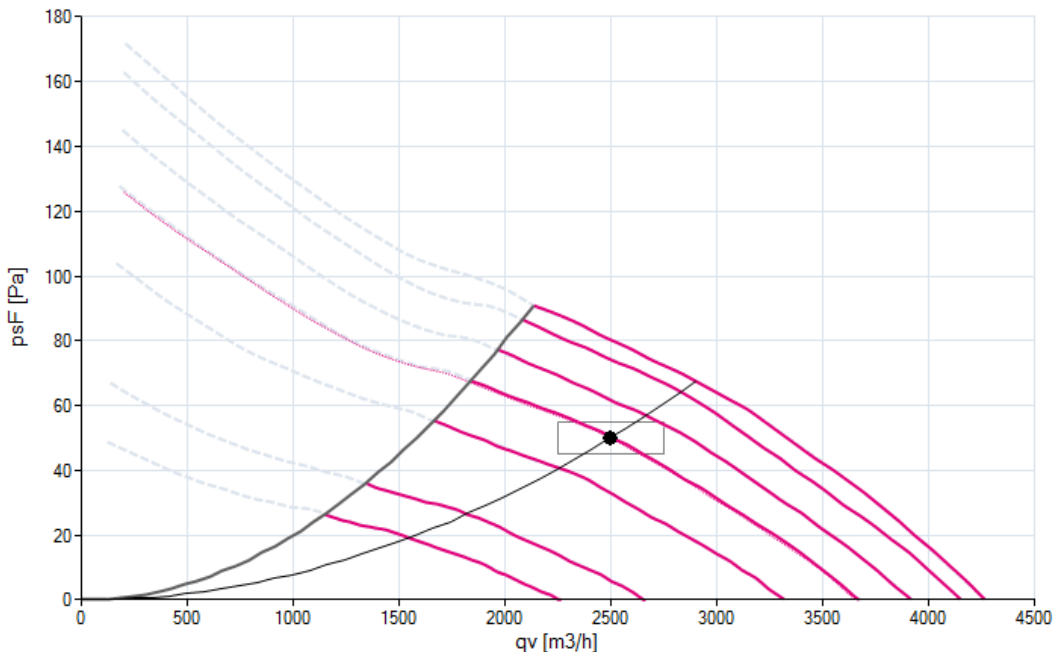
Version FANselect V 1.01 (230524), AMCA V 1.03 September, 2021
 RLT V 1.00 Dezember, 2021 / 1.23.05.24 | 28707 | (user ZAFS18707)

1 FN040-4IL.ZC.A3P6

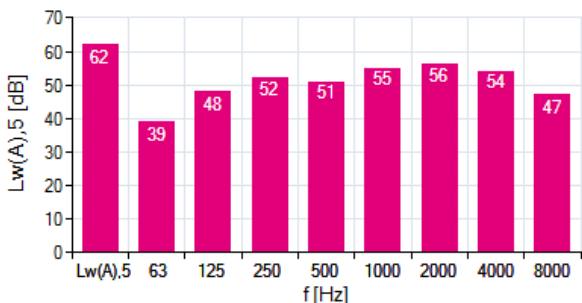
Measured in full nozzle with pressure side guard grille in air flow direction V in installation type A according to ISO5801

178130 | Portfolio STD-WW measurement density 1.16 [kg/m³]

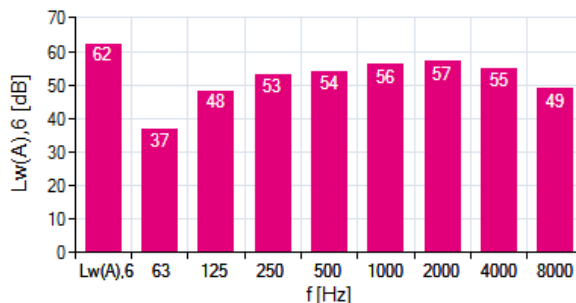
air performance p_{sF}



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



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



1 FN040-4IL.ZC.A3P6

f [Hz]	sum	63	125	250	500	1000	2000	4000	8000
$L_{w(A),5}$	62	39	48	52	51	55	56	54	47
$L_{w,5}$	69	64	63	61	55	55	55	53	47

f [Hz]	sum	63	125	250	500	1000	2000	4000	8000
$L_{w(A),6}$	62	37	48	53	54	56	57	55	49
$L_{w,6}$	69	63	64	61	57	56	56	54	49