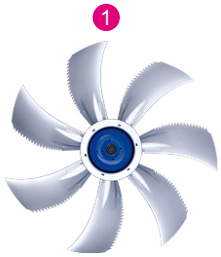
FANselect

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		FN035-4IK.ZC.V5P5
article no.		178126 | Portfolio STD-WW

technical data

motor		ECblue
Efficiency class		IE4
mains supply	-	1~ 230V 50Hz Y
ambient temperature, max. limit (t_r)	°C	40
ErP-conformity		< 125W
grille | influence		pressure side | measured

fan data

SFP-class | SFP-value (P_{SFP})	- | Ws/m³	**1** | 180
airflow volume (q_V)	m³/h	2398
pressure, **stat. (p_{sF})** | tot. (p_F)	Pa	**46** | 74
electrical power input (P_{sys})	W	120
system eff., **stat. ($\eta_{sF,sys}$)** | tot. ($\eta_{F,sys}$)	%	**25.5** | 41.3
fan speed **(n)** | max. (n_{max})	1/min	**1340** | 1660
fan speed, set value (%n_{max})	%	81
frequency **(f_{DP})** | (f_{max})	Hz	**50** | 60
voltage (U_{DP})	V	230
current (I_{DP})	A	1.09
acoustics, suction side **($L_{w(A),5}$)** | ($L_{w,5}$)	dB	**60** | 66
acoustics, pressure side **($L_{w(A),6}$)** | ($L_{w,6}$)	dB	**64** | 68
dimensions (w x h x d)	mm	400 x 400 x 140
product weight (m_{pr})	kg	3.3
nominal values		1~ 200-240V Y 50Hz P1 0.14kW 1.45-1.20A 1660/MIN 40°C 1~ 200-240V Y 60Hz P1 0.14kW 1.45-1.20A 1660/MIN 40°C IP54 THCL155

PF:PF_50; Ano:178126; STol:+-10 %

FANselect

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)

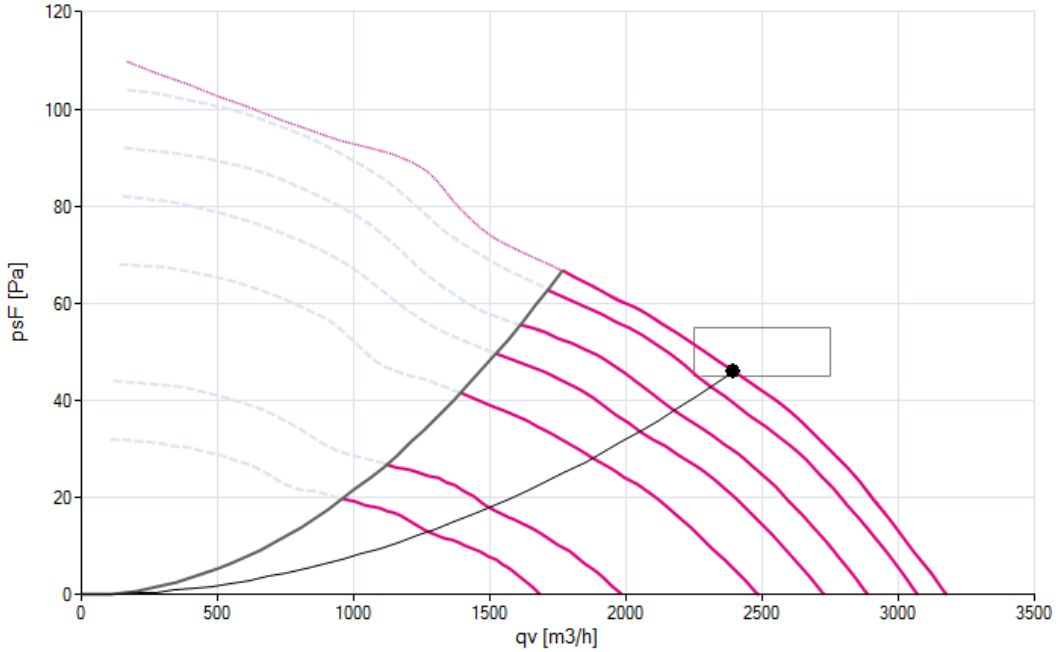
1 FN035-4IK.ZC.V5P5

178126 | Portfolio STD-WW

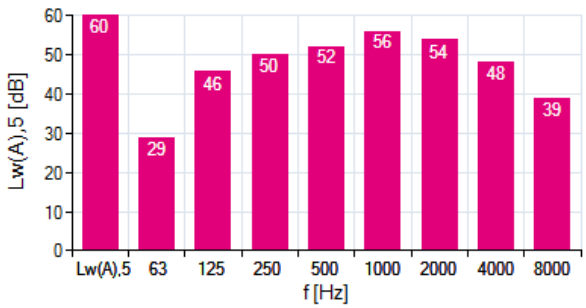
Measured in short nozzle with pressure side guard grille in air flow direction V in installation type A according to ISO5801

measurement density 1.16 [kg/m³]

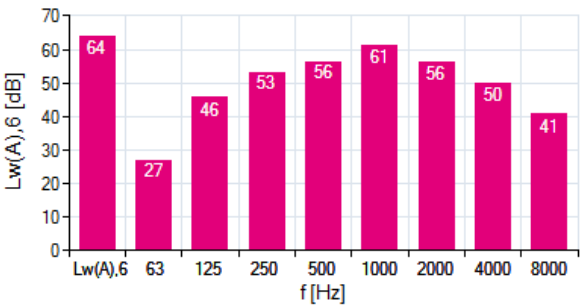
air performance p_{sF}



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



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



1 FN035-4IK.ZC.V5P5

f [Hz]	sum	63	125	250	500	1000	2000	4000	8000
$L_{w(A),5}$	60	29	46	50	52	56	54	48	39
$L_{w,5}$	66	55	62	59	55	57	52	47	40

f [Hz]	sum	63	125	250	500	1000	2000	4000	8000
$L_{w(A),6}$	64	27	46	53	56	61	56	50	41
$L_{w,6}$	68	53	62	61	59	61	55	49	41