



Plant nr.
Room calculation

DIMsilencer 6.0

Sound pressure	Room data	Note	Salesman	Customer
Supply 20 dB(A)	L x B x H 4,0 x 5,0 x 2,8 m		Rain Siim	
Exhaust 18 dB(A)	Area / Volume 20 m² / 56m³		Lindab AS	
Other noise source 0 dB(A)	Room type, attenuation hard		/	/
Actual sound pressure level 22 dB(A)	Room attenuation 3,5 dB			
Allowed sound pressure level 30 dB(A)	Reverberation time (Ts): 1,0 s			

Result	Supply [dB] (Q=2 r=1,5)								Exhaust [dB] (Q=2 r=1,5)								Other noise source [dB] : (Q=2 r=1,0)							
	63	125	250	500	1k	2k	4k	8k	63	125	250	500	1k	2k	4k	8k	63	125	250	500	1k	2k	4k	8k
Lw 1 device																								
+ Number of soundsources	1 ea.								1 ea.								0 ea.							
Lw all																								
-Attenuation																								
Actual sound pressure level																								
Lp total																								

Supply		[l/s]	[Pa]	Attenuation [dB]								Sound generation [dB]								Lw after [dB]									
Label	Product name	Flow	Pressure dr	63	125	250	500	1k	2k	4k	8k	63	125	250	500	1k	2k	4k	8k	[dB(A)]	63	125	250	500	1k	2k	4k	8k	[dB(A)]
Fan	SV-1 Verso komfovent häädem	800	0	0	0	0	0	0	0	0	0	74	72	67	67	66	64	57	47	71	74	72	67	67	66	64	57	47	71
Silencer	KVAP-400-1000-1	235	1	3	7	15	21	31	20	12	11	24	23	8	8	11	-10	-15	-41	13	71	65	52	46	35	44	45	36	54
Own compon	Ductwork 12 dB	235	0	12	12	12	12	12	12	12	12	0	0	0	0	0	0	0	0	0	59	53	40	34	23	32	33	24	42
Silencer	KVDP-125-300-0	20	1	7	4	7	15	12	8	11	10	23	19	-6	13	2	-8	-14	-40	11	52	49	33	20	12	24	22	14	35
Terminal	KIR 125	20	8	20	16	11	9	9	7	6	5	8	8	9	7	3	-7	-13	-25	8	32	33	22	12	6	17	16	9	23
Exhaust		[l/s]	[Pa]	Attenuation [dB]								Sound generation [dB]								Lw after [dB]									
Label	Product name	Flow	Pressure dr	63	125	250	500	1k	2k	4k	8k	63	125	250	500	1k	2k	4k	8k	[dB(A)]	63	125	250	500	1k	2k	4k	8k	[dB(A)]
Fan	SV-1 Verso komfovent häädem	800	0	0	0	0	0	0	0	0	0	67	67	68	53	48	42	31	16	61	67	67	68	53	48	42	31	16	61
Silencer	KVAP-315-600-1	235	4	5	5	9	13	21	22	14	9	32	29	16	18	18	5	-1	-23	21	62	62	59	40	28	20	17	7	52
Own compon	Ductwork 10 dB	235	0	10	10	10	10	10	10	10	10	0	0	0	0	0	0	0	0	0	52	52	49	30	18	10	7	-3	42
Silencer	KVDP-125-300-0	20	1	7	4	7	15	12	8	11	10	23	19	-6	13	2	-8	-14	-40	11	45	48	42	17	7	3	-4	-13	36
Terminal	KSU 125	20	13	23	18	14	12	12	14	5	8	0	0	1	2	-1	3	-5	-21	7	22	30	28	7	0	3	-3	-18	21



Plant nr.
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Product name

Silencer data

KVAP-400-1000-1



Description

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Label

Silencer

Placement

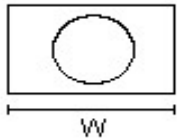
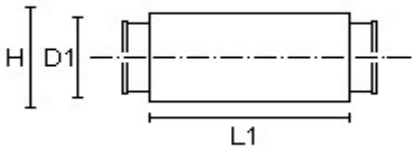
Supply

Flow [l/s]

Pressure [Pa]

235

1



Lw before silencer
Attenuation
Sound generation
Lw after silencer

Hz	63	125	250	500	1k	2k	4k	8k		dB(A)
	74	72	67	67	66	64	57	47	dB	71
	3	7	15	21	31	20	12	11	dB	
	24	23	8	8	11	-10	-15	-41	dB	13
	71	65	52	46	35	44	45	36	dB	54

Connection dim: 400
Height (H): 453
Length (L1): 1000
Width (W): 518



Plant nr.
Room calculation

21/05/2020

DIMsilencer 6.0

Product name

Silencer data

KVDP-125-300-0



Description

KVDP is a rectangular low-built silencer with round connections. The attenuation material is polyester. Code: 0 = Basic attenuator of high quality without options mentioned below. 1 = Attenuation material covered by perforated plate. 4 = Openable attenuator, cleanable, used as cleaning door. 5 = Openable attenuator, cleanable, used as cleaning door, attenuation material covered by perforated plate. 6 = Openable attenuator, attenuation material changeable polyester fiber, used as cleaning door. 7 = Attenuation material polyester fiber element. 8 = Openable attenuator, attenuation material polyester fiber element, changeable attenuation element, used as cleaning door.

Label

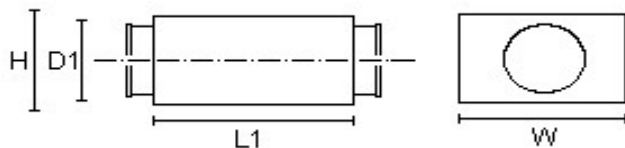
Silencer

Placement

Supply

Flow [l/s]
20

Pressure [Pa]
1



Connection dim: 125
Height (H): 177
Length (L1): 300
Width (W): 263

Lw before silencer
Attenuation
Sound generation
Lw after silencer

Hz	63	125	250	500	1k	2k	4k	8k	dB(A)	
Lw before silencer	59	53	40	34	23	32	33	24	dB	42
Attenuation	7	4	7	15	12	8	11	10	dB	
Sound generation	23	19	-6	13	2	-8	-14	-40	dB	11
Lw after silencer	52	49	33	20	12	24	22	14	dB	35



Plant nr.
Room calculation

21/05/2020

DIMsilencer 6.0

Product name

Silencer data

KVAP-315-600-1



Description

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Label

Silencer

Placement

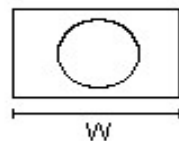
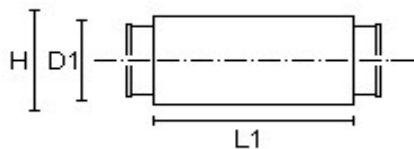
Exhaust

Flow [l/s]

235

Pressure [Pa]

4



Lw before silencer

Attenuation

Sound generation

Lw after silencer

Hz	63	125	250	500	1k	2k	4k	8k		dB(A)
	67	67	68	53	48	42	31	16	dB	61
	5	5	9	13	21	22	14	9	dB	
	32	29	16	18	18	5	-1	-23	dB	21
	62	62	59	40	28	20	17	7	dB	52

Connection dim: 315
Height (H): 368
Length (L1): 600
Width (W): 458



Plant nr.
Room calculation

21/05/2020

DIMsilencer 6.0

Product name

Silencer data

KVDP-125-300-0



Description

KVDP is a rectangular low-built silencer with round connections. The attenuation material is polyester. Code: 0 = Basic attenuator of high quality without options mentioned below. 1 = Attenuation material covered by perforated plate. 4 = Openable attenuator, cleanable, used as cleaning door. 5 = Openable attenuator, cleanable, used as cleaning door, attenuation material covered by perforated plate. 6 = Openable attenuator, attenuation material changeable polyester fiber, used as cleaning door. 7 = Attenuation material polyester fiber element. 8 = Openable attenuator, attenuation material polyester fiber element, changeable attenuation element, used as cleaning door.

Label

Silencer

Placement

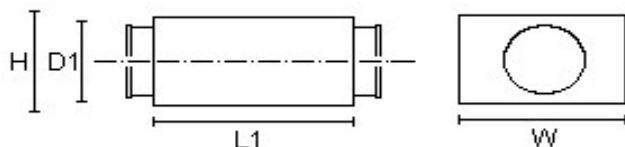
Exhaust

Flow [l/s]

20

Pressure [Pa]

1



Connection dim: 125
Height (H): 177
Length (L1): 300
Width (W): 263

Lw before silencer
Attenuation
Sound generation
Lw after silencer

Hz	63	125	250	500	1k	2k	4k	8k	dB(A)	
Lw before silencer	52	52	49	30	18	10	7	-3	dB	42
Attenuation	7	4	7	15	12	8	11	10	dB	
Sound generation	23	19	-6	13	2	-8	-14	-40	dB	11
Lw after silencer	45	48	42	17	7	3	-4	-13	dB	36