

KD – Duct sound attenuator

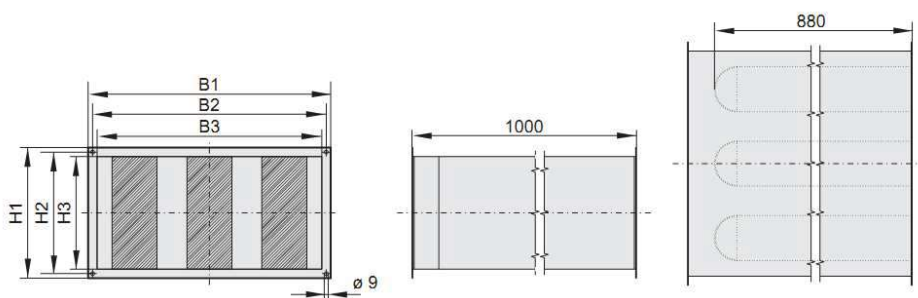
Accessories for Duct Fans

Duct sound attenuator with frame made of galvanized sheet steel. Sound trap with incombustible mineral wool according to DIN 4102 class A, Ex version with perforated steel. This guarantees a high sound insulation and due to aerodynamic optimized guide plates lower pressure losses. Max. air speed 20 m/s, max. temperature 100°C, max. pressure from -800 to 1000 Pa.



Technical Data:

Dimensions:

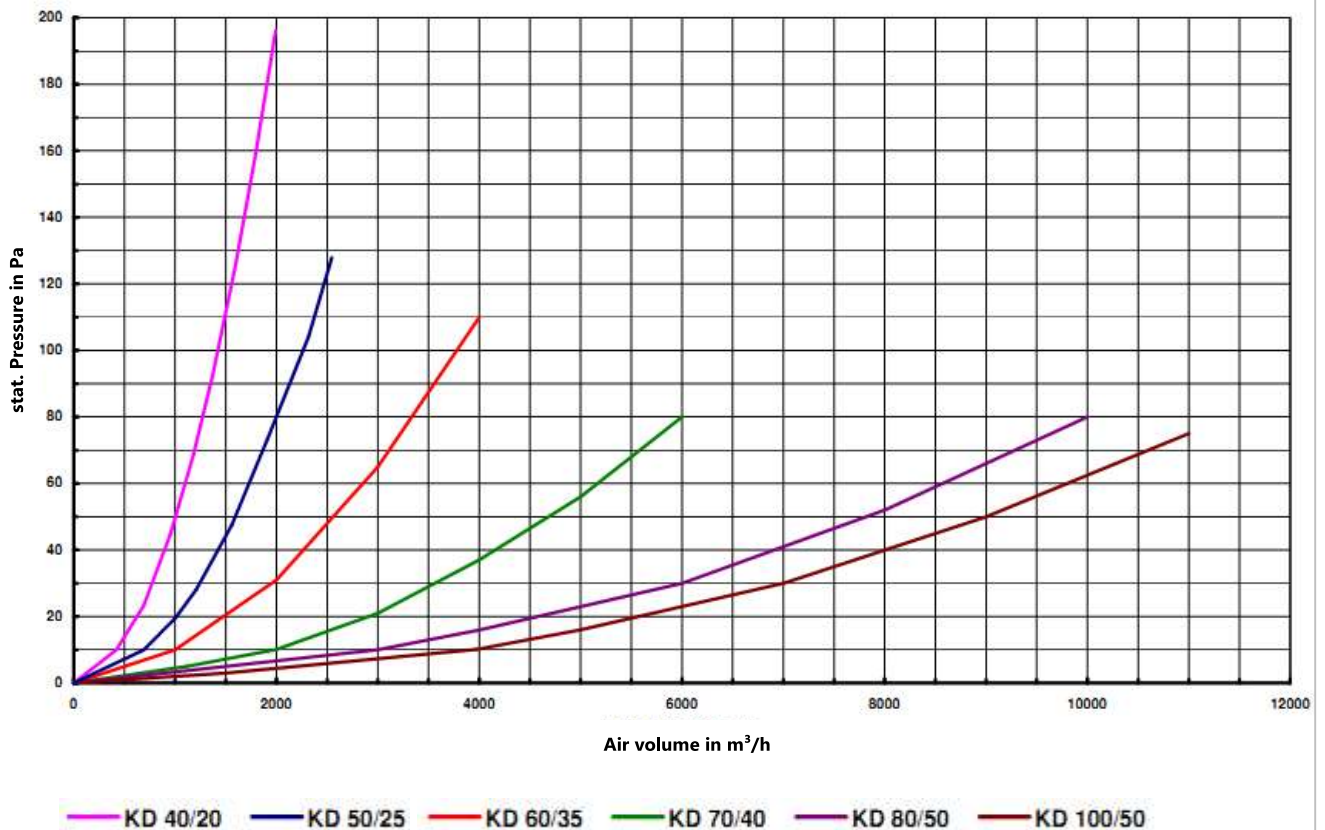


Duct size [cm]	Type	Art.-No.	B1 [mm]	B2 [mm]	B3 [mm]	H1 [mm]	H2 [mm]	H3 [mm]	Number of sound traps	Weight [kg]
40 x 20	KD 40/20	D20-40200	440	420	400	240	220	200	2	17,0
40 x 20	KD 40/20 Ex	D20-40201	440	420	400	240	220	200	2	17,0
50 x 25	KD 50/25	D20-50250	540	520	500	290	270	250	3	22,0
50 x 25	KD 50/25 Ex	D20-50251	540	520	500	290	270	250	3	22,0
50 x 30	KD 50/30	D20-50300	540	520	500	340	320	300	3	25,0
50 x 30	KD 50/30 Ex	D20-50301	540	520	500	340	320	300	3	25,0
60 x 30	KD 60/30	D20-60300	640	620	600	340	320	300	3	30,5
60 x 30	KD 60/30 Ex	D20-60301	640	620	600	340	320	300	3	30,5
60 x 35	KD 60/35	D20-60350	640	620	600	390	370	350	3	32,5
60 x 35	KD 60/35 Ex	D20-60351	640	620	600	390	370	350	3	33,0
70 x 40	KD 70/40	D20-70400	740	720	700	440	420	400	3	34,5
70 x 40	KD 70/40 Ex	D20-70401	740	720	700	440	420	400	3	34,5
80 x 50	KD 80/50	D20-80500	840	820	800	540	520	500	3	38,0
100 x 50	KD 100/50	D20-10500	1040	1020	1000	540	520	500	4	45,0

Attenuation values:

Duct size [cm]	Attenuation values [dB]							Average sound absorbing rate
	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz	
40 x 20	7	12	23	30	32	28	20	19 dB(A)
50 x 25	6	10	23	29	31	27	21	15 dB(A)
50 x 30	6	11	23	30	31	27	20	17 dB(A)
60 x 30	7	10	23	30	32	23	20	15 dB(A)
60 x 35	8	10	24	32	33	18	18	14 dB(A)
70 x 40	5	8	17	23	26	17	17	12 dB(A)
80 x 50	5	8	19	27	27	15	15	13 dB(A)
100 x 50	4	10	12	18	19	12	12	11 dB(A)

Pressure loss:



Scope of delivery:

- Duct sound attenuator (KD)