



Rectangular Sound Attenuators Performance Data

air-regenerated noise

v_s	m/s	4	6	8	10	12	14	16	18	20
L_{WA}	dB(A)	21	31	38	43	48	51	55	58	60

RSA-100 insertion loss and differential pressure

L	S	Centre frequency f_m [Hz]								v_s [m/s]		
		63	125	250	500	1000	2000	4000	8000	4	10	20
		D_o								Δp_{st}		
mm	mm	Hz								Pa		
500	40	4	10	11	13	21	27	24	18	5	32	>80
	60	5	13	20	23	31	38	32	26	7	44	>80
1000	40	5	11	17	19	28	32	27	21	5	33	>80
	60	6	16	30	32	42	48	40	34	9	55	>80
1500	40	6	14	25	28	38	41	33	27	6	38	>80
	60	4	10	14	19	29	28	19	14	5	29	>80
2000	40	8	19	39	42	50	50	49	42	11	66	>80
	60	7	16	32	36	47	50	40	34	7	44	>80
2500	40	5	12	19	25	37	35	23	16	5	32	>80
	60	3	9	10	17	25	15	9	8	4	25	>80
3000	40	9	22	48	50	50	50	50	50	12	77	>80
	60	8	19	40	45	50	50	47	40	8	50	>80
3000	100	6	14	24	30	45	41	27	19	6	34	>80
	200	3	12	12	21	33	19	12	11	4	26	>80
3000	40	10	25	50	50	50	50	50	50	14	>80	>80
	60	9	22	48	50	50	50	50	46	9	56	>80
3000	100	7	16	28	36	50	47	31	22	6	37	>80
	200	2	14	15	26	41	24	16	14	4	27	>80

RSA-200 insertion loss and differential pressure

L	S	Centre frequency f_m [Hz]								v_s [m/s]		
		63	125	250	500	1000	2000	4000	8000	4	10	20
		D_o								Δp_{st}		
mm	mm	Hz								Pa		
500	50	5	7	19	21	26	22	17	14	9	58	>80
	100	2	4	12	12	15	11	9	8	5	31	>80
1000	50	6	16	33	39	41	39	26	20	11	67	>80
	100	4	10	22	23	26	19	13	11	6	35	>80
1500	50	2	7	13	12	12	10	8	6	3	21	>80
	100	9	22	44	50	50	50	34	25	12	75	>80
2000	50	5	15	32	33	37	25	16	14	6	40	>80
	100	3	9	19	18	15	12	10	7	4	23	>80
2500	50	1	6	10	8	8	6	4	4	2	15	61
	100	12	29	50	50	50	50	43	29	13	>80	>80
3000	50	6	19	42	44	47	31	19	17	7	44	>80
	100	4	12	25	23	18	15	12	9	4	25	>80
3000	50	1	8	13	10	10	8	5	5	3	17	67
	100	14	38	50	50	50	50	49	35	15	>80	>80
3000	50	8	25	50	50	50	38	23	18	8	48	>80
	100	5	16	30	29	23	16	13	10	4	28	>80
3000	50	2	10	16	13	12	9	6	5	3	18	72
	100	17	48	50	50	50	50	50	40	16	>80	>80
3000	50	10	30	50	50	50	44	26	19	8	53	>80
	100	6	19	35	35	27	17	15	11	5	30	>80
3000	50	3	13	19	15	14	10	7	6	3	19	77

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