



Rectangular Sound Attenuators Performance Data

Silencer Model No.	Octave Bands	2	3	4	5	6	7	8
	Center Frequency	125	250	500	1000	2000	4000	8000
RSA-3	Face Velocity FPM	Net Insertion Loss in Decibels (dB)						
	-1500	8	22	28	38	39	26	14
	-1000	10	22	32	42	39	30	17
	0	8	18	30	42	40	31	19
	+1000	6	15	28	42	42	32	19
	+1500	6	14	25	32	34	30	17
RSA-5	-1500	15	33	46	47	41	35	26
	-1000	13	30	45	53	50	47	26
	0	12	26	42	53	58	49	27
	+1000	11	23	40	52	55	49	29
	+1500	9	21	40	50	50	44	29
RSA-7	-1500	16	36	45	48	42	34	31
	-1000	15	36	48	57	54	52	34
	0	15	35	46	54	53	52	34
	+1000	15	34	45	55	55	52	35
	+1500	10	33	44	47	48	41	35

Self-Noise Sound Power Ratings (P.W.L.) — (dB re 10⁻¹² watts)

Silencer Model No.	Octave Bands	2	3	4	5	6	7	8
	Center Frequency	125	250	500	1000	2000	4000	8000
RSA-3 RSA-5 RSA-7	Face Velocity FPM	Self Noise Sound Power Levels in Decibels (dB)						
	-1500	56	51	53	56	65	66	55
	-1000	46	42	44	50	55	49	40
	+1000	51	44	43	46	48	45	39
	+1500	64	55	54	53	57	58	54

Face Area Adjustments	Area (sq.ft.)	2	4	8	16	32
	Adjustment	- 3	0	+ 3	+ 6	+ 9

Air Flow Performance Data

Model	Static Pressure Loss (inches WG)					
RSA-3	0.07	0.12	0.18	0.24	0.38	0.49
RSA-5	0.07	0.13	0.20	0.27	0.42	0.55
RSA-7	0.10	0.18	0.27	0.36	0.56	0.73
Face Velocity FPM	365	490	610	705	875	1000

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