

## Acoustical Data

### Triple Lock Acoustic TL-AM Acoustical Data

Straight Duct - Insertion Loss (dB) in Forward Flow Conditions For 10 Feet Length

	Model #	Octave Band No	1	2	3	4	5	6	7	8
		Center Frequency (Hz)	63	125	250	500	1000	2000	4000	8000
6" ID	TL-AM	0 FPM	10	24	32	36	37	37	22	15
		2500 FPM	10	24	34	37	>35	38	23	14
8" ID	TL-AM	0 FPM	12	27	31	31	34	32	18	13
		2500 FPM	14	>28	>27	32	36	33	17	12
12" ID	TL-AM	0 FPM	20	29	29	26	30	24	20	12
		2500 FPM	23	30	>27	27	31	27	20	11

90 Degree Elbow - Insertion Loss (dB) in Forward Flow Conditions For 10 Feet Length

	Model #	Octave Band No	1	2	3	4	5	6	7	8
		Center Frequency (Hz)	63	125	250	500	1000	2000	4000	8000
6" ID	TL-AM	0 FPM	6	20	33	36	35	37	22	14
		2500 FPM	8	>20	>28	>30	>27	>29	>22	13
8" ID	TL-AM	0 FPM	8	23	31	34	35	36	17	13
		2500 FPM	8	>21	>25	>29	>29	>30	18	11
12" ID	TL-AM	0 FPM	9	21	30	30	33	30	20	11
		2500 FPM	11	>22	>27	31	33	31	21	10

Radiated Noise Reduction (dB) for 10 Feet Length

	Model #	Octave Band No	1	2	3	4	5	6	7	8
		Center Frequency (Hz)	63	125	250	500	1000	2000	4000	8000
6" ID	TL-AM	0 FPM	2	2	2	2	4	6	11	17
		2500 FPM	3	3	3	3	5	6	11	17
8" ID	TL-AM	0 FPM	4	3	4	6	8	9	12	17
		2500 FPM	4	4	5	7	8	9	12	17
12" ID	TL-AM	0 FPM	0	2	1	2	4	5	10	13
		2500 FPM	3	4	3	3	5	6	10	13

**Insulation options: R4.2, R6, R8**

Note: Insertion loss data denoted with a (>) sign has been corrected to take into consideration the effect of the generated sound pressure level approaching the sound pressure level obtained during the insertion loss portion of the test. In some cases, the insertion loss may be higher than shown.

### INTERTEK Test Method

The laboratory method used in conducting these tests is in accordance with ASTM Standard E477-2006a, entitled "Standard Test Method for Measuring Acoustical and Airflow Performance of Duct Liner Materials and Prefabricated Silencers" and ADC test Code FD 72-R1, entitled "Flexible Air Duct Test Code FD72".

**NOTE:** This UL Class 1 product has a flame spread rating of not over 25 without evidence of continued progressive combustion and a smoke developed rating of not over 50.

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