Results of Tests and Measurements

Sound Attenuation, With and Without Air Flow Through Duct

M-KE Straight Duct Insertion Loss (I.L.) per Length of 10 ft. in dB

	Octave Band No. Center Freq. Hz	(2) 125	(3) 250	(4) 500	(5) 1000	(6) 2000	(7) 4000	(8) 8000
6" ID	I.L. @ 0 Flow	14	36	36	37	37	20	14
	I.L. @ 2500fpm	11	33	37	39	37	19	14
8" ID	I.L. @ 0 Flow	13	36	34	37	29	17	14
	I.L. @ 2500fpm	13	35	34	39	29	17	14
12" ID	I.L. @ 0 Flow	11	28	26	32	25	11	8
	I.L. @ 2500fpm	10	26	26	35	24	11	9

M-KE Duct as Elbow, Insertion Loss (I.L.) per Length of 10 ft. in dB

	Octave Band No. Center Freq. Hz	(2) 125	(3) 250	(4) 500	(5) 1000	(6) 2000	(7) 4000	(8) 8000
6" ID	I.L. @ 0 Flow	16	36	37	42	39	27	8
	I.L. @ 2500fpm	16	36	37	42	39	26	8
8" ID	I.L. @ 0 Flow	16	34	39	42	34	20	12
	I.L. @ 2500fpm	14	33	38	42	33	19	12
12" ID	I.L. @ 0 Flow	11	25	30	33	28	13	9
	I.L. @ 2500fpm	10	23	31	33	28	12	9

Radiated Noise Reduction per Length of 10 ft./M-KE Duct in Straight Position

	Octave Band No. Center Freq. Hz	(2) 125	(3) 250	(4) 500	(5) 1000	(6) 2000	(7) 4000	(8) 8000
6" ID	I.L. @ 0 Flow	8	7	10	12	12	19	21
	I.L. @ 2500fpm	8	7	9	12	13	18	21
8" ID	I.L. @ 0 Flow	7	11	11	11	11	13	13
	I.L. @ 2500fpm	7	11	12	12	11	13	14
12" ID	I.L. @ 0 Flow	4	6	6	6	8	11	18
	I.L. @ 2500fpm	4	5	6	6	8	12	18