



# Sound Generation in Sound Power Level (LW)dB 10<sup>-12</sup> Watt

Thermaflex Flexible Duct vs. "Empty" Metal Duct

M-KE Flexible Duct Per Length of 10 ft. in Straight Position

	Octave Band No. Center Freq. Hz	(2) 125	(3) 250	(4) 500	(5) 1000	(6) 2000	(7) 4000	(8) 8000
6 inch ID	Lw @ 1000fpm	(32)	29	22	(17)	(17)	(19)	(20)
	Lw @ 1500fpm	(32)	35	31	28	19	(19)	(20)
	Lw @ 2000fpm	(32)	40	39	36	31	23	(20)
	Lw @ 3000fpm	46	47	48	47	43	38	31
Empty Metal Duct	Lw @ 1000fpm	(32)	28	(21)	(17)	(17)	(19)	(20)
	Lw @ 1500fpm	(32)	34	32	25	(17)	(19)	(20)
	Lw @ 2000fpm	(32)	37	37	32	24	(19)	(20)
	Lw @ 3000fpm	43	45	45	46	38	36	27
8 inch ID	Lw @ 1000fpm	34	30	22	(16)	(17)	(18)	(18)
	Lw @ 1500fpm	36	35	35	32	25	(18)	(18)
	Lw @ 2000fpm	42	41	42	39	34	27	21
	Lw @ 3000fpm	52	50	53	51	49	43	38
Empty Metal Duct	Lw @ 1000fpm	(30)	(26)	25	(16)	(17)	(18)	(18)
	Lw @ 1500fpm	(30)	(26)	26	21	(17)	(18)	(18)
	Lw @ 2000fpm	(30)	34	33	28	20	(18)	(18)
	Lw @ 3000fpm	41	44	44	40	37	32	25
12 inch ID	Lw @ 1000fpm	(30)	28	22	18	(17)	(18)	(18)
	Lw @ 1500fpm	31	34	35	32	23	(18)	(18)
	Lw @ 2000fpm	41	39	40	39	32	21	(18)
	Lw @ 3000fpm	51	50	51	51	47	41	35
Empty Metal Duct	Lw @ 1000fpm	(30)	(26)	(19)	(16)	(17)	(18)	(18)
	Lw @ 1500fpm	(30)	29	20	19	19	(18)	(18)
	Lw @ 2000fpm	36	38	37	30	30	20	(18)
	Lw @ 3000fpm	45	46	42	39	38	35	29



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