

KSD Performance Data: Horizontal Throw
IP/METRIC DATA: KSD (NO DAMPER)

	IP Data					NC	Metric Data					Octave Band, dB						
	Neck Vel	Air Flow	Ps	Pt	Throw		Neck Vel	Air Flow	Ps	Pt	Throw	2	3	4	5	6	7	
	FPM	CFM	"WG	"WG	ft		m/s	L/s	Pa	Pa	m							
6"	500	98	0.00	0.02	2 - 2 - 5	-	2.5	46	1	5	0.5 - 0.7 - 1.4	25	21	18	13	-	-	
	600	118	0.01	0.03	2 - 3 - 5	-	3.0	56	1	7	0.6 - 0.8 - 1.7	29	25	23	18	11	-	
	700	137	0.01	0.04	2 - 3 - 6	11	3.6	65	2	9	0.6 - 1.0 - 1.9	32	29	27	23	16	14	
	800	157	0.01	0.05	2 - 4 - 7	15	4.1	74	2	12	0.7 - 1.1 - 2.0	35	33	31	27	20	18	
	900	177	0.01	0.06	3 - 4 - 7	18	4.6	83	3	16	0.8 - 1.3 - 2.2	38	35	34	30	24	21	
	1000	196	0.02	0.08	3 - 5 - 8	21	5.1	93	4	19	0.9 - 1.4 - 2.3	40	38	36	33	28	24	
	1200	236	0.02	0.11	4 - 5 - 8	27	6.1	111	6	28	1.1 - 1.7 - 2.5	44	43	41	38	34	29	
	1400	275	0.03	0.15	4 - 6 - 9	31	7.1	130	8	38	1.3 - 1.9 - 2.7	47	46	45	43	39	34	
1600	314	0.04	0.20	5 - 7 - 10	35	8.1	148	10	50	1.5 - 2.0 - 2.9	50	50	49	46	43	38		
8"	500	175	0.02	0.03	2 - 3 - 6	-	2.5	82	4	8	0.6 - 0.9 - 1.9	31	27	24	19	13	11	
	600	209	0.02	0.04	2 - 4 - 7	13	3.0	99	5	11	0.7 - 1.1 - 2.2	34	31	28	24	19	16	
	700	244	0.03	0.06	3 - 4 - 8	17	3.6	115	7	15	0.9 - 1.3 - 2.6	38	35	33	29	24	21	
	800	279	0.04	0.08	3 - 5 - 9	21	4.1	132	10	20	1.0 - 1.5 - 2.7	40	38	36	33	28	24	
	900	314	0.05	0.10	4 - 5 - 10	25	4.6	148	12	25	1.1 - 1.7 - 2.9	43	41	39	36	32	28	
	1000	349	0.06	0.12	4 - 6 - 10	28	5.1	165	15	31	1.2 - 1.9 - 3.1	45	44	42	39	36	31	
	1100	384	0.07	0.15	4 - 7 - 11	31	5.6	181	18	37	1.4 - 2.0 - 3.2	47	46	45	42	39	33	
	1200	419	0.09	0.18	5 - 7 - 11	33	6.1	198	22	44	1.5 - 2.2 - 3.3	49	48	47	44	42	36	
1300	454	0.10	0.21	5 - 8 - 11	36	6.6	214	26	52	1.6 - 2.4 - 3.5	50	50	49	47	44	38		
10"	400	218	0.02	0.03	2 - 3 - 6	-	2.0	103	5	7	0.5 - 0.9 - 1.9	30	26	22	18	12	-	
	500	273	0.03	0.05	3 - 4 - 8	13	2.5	129	7	11	0.8 - 1.2 - 2.3	35	31	28	24	19	16	
	600	327	0.04	0.07	3 - 5 - 9	18	3.0	154	11	16	0.9 - 1.4 - 2.8	38	36	33	29	25	21	
	700	382	0.06	0.09	4 - 5 - 11	23	3.6	180	15	22	1.1 - 1.6 - 3.2	42	39	37	34	30	26	
	800	436	0.08	0.12	4 - 6 - 11	27	4.1	206	19	29	1.2 - 1.9 - 3.4	44	43	40	38	35	29	
	900	491	0.10	0.15	5 - 7 - 12	30	4.6	232	24	37	1.4 - 2.1 - 3.6	47	46	43	41	38	33	
	1000	545	0.12	0.18	5 - 8 - 13	33	5.1	257	30	45	1.5 - 2.3 - 3.8	49	48	46	44	42	36	
	1100	600	0.14	0.22	6 - 8 - 13	36	5.6	283	36	55	1.7 - 2.6 - 4.0	51	51	49	47	45	38	
1200	654	0.17	0.26	6 - 9 - 14	39	6.1	309	43	65	1.9 - 2.8 - 4.2	53	53	51	49	48	41		
12"	300	236	0.02	0.02	1 - 3 - 5	-	1.5	111	4	6	0.3 - 0.8 - 1.7	27	22	18	13	-	-	
	400	314	0.03	0.04	2 - 4 - 7	-	2.0	148	8	10	0.6 - 1.1 - 2.2	33	29	25	21	17	14	
	500	393	0.05	0.06	3 - 5 - 9	17	2.5	185	12	16	0.9 - 1.4 - 2.8	38	35	31	28	24	20	
	600	471	0.07	0.09	4 - 5 - 11	22	3.0	222	17	23	1.1 - 1.7 - 3.3	42	39	36	33	30	25	
	700	550	0.09	0.12	4 - 6 - 13	27	3.6	259	23	31	1.3 - 1.9 - 3.8	45	43	40	38	35	30	
	800	628	0.12	0.16	5 - 7 - 13	31	4.1	297	30	40	1.5 - 2.2 - 4.1	48	46	44	41	40	34	
	900	707	0.15	0.20	5 - 8 - 14	34	4.6	334	38	51	1.7 - 2.5 - 4.3	50	49	47	45	44	37	
	1000	785	0.19	0.25	6 - 9 - 15	37	5.1	371	47	63	1.9 - 2.8 - 4.6	52	52	50	48	47	40	
1100	864	0.23	0.31	7 - 10 - 16	40	5.6	408	57	76	2.0 - 3.1 - 4.8	54	54	52	51	50	43		
14"	200	214	0.01	0.01	1 - 1 - 4	-	1.0	101	3	3	0.2 - 0.4 - 1.3	22	15	-	-	-	-	
	300	321	0.02	0.03	1 - 3 - 6	-	1.5	151	6	8	0.4 - 0.9 - 1.9	30	25	21	17	12	-	
	400	428	0.04	0.05	2 - 4 - 9	14	2.0	202	11	13	0.7 - 1.3 - 2.6	36	32	28	25	21	18	
	500	535	0.07	0.08	4 - 5 - 11	20	2.5	252	17	21	1.1 - 1.6 - 3.2	41	38	34	31	29	24	
	600	641	0.10	0.12	4 - 6 - 13	26	3.0	303	25	30	1.3 - 1.9 - 3.9	45	42	39	37	35	29	
	700	748	0.13	0.17	5 - 7 - 15	30	3.6	353	33	41	1.5 - 2.3 - 4.5	48	46	43	41	40	33	
	800	855	0.18	0.22	6 - 9 - 16	34	4.1	404	44	54	1.7 - 2.6 - 4.8	51	49	47	45	44	37	
	900	962	0.22	0.27	6 - 10 - 17	38	4.6	454	55	68	1.9 - 2.9 - 5.1	53	52	50	48	48	40	
1000	1069	0.27	0.34	7 - 11 - 18	41	5.1	505	68	84	2.2 - 3.2 - 5.3	55	55	53	51	51	43		

NOTES: Throw values are given for isothermal conditions and terminal velocities of 150, 100, and 50 FPM (0.75, 0.50, and 0.25 m/s). NC values are based on octave band 2 - 7 sound power levels minus a room absorption of 10dB, re 10⁻¹² Watts. Dash in space denotes a NC or dB value of less than 10. Data was obtained from tests conducted in accordance with ANSI/ASHRAE Standard 70. See Krueger's selection software for performance data not shown, including octave band data.