680, 5680, 6880, 56880 Performance Data: Horizontal Throw

METRIC DATA: 680, 5680, 6880, 56880, 1 1/4" BLADE SPACING (NO DAMPER)

Nom Duct	Duct Area	Neck Vel	Air Flow	0° Pt	0° Throw	15° Pt	15° Throw	30° Pt	30° Throw	NC	Octave Band, dB 2	3	4	5	6	7
mm	m²	m/s	L/s	Pa	m	Pa	m	Pa	m							
152 x 152	0.023	3.76	67	19.9	4.4 - 6.3 - 8.9	25.5	3.8 - 5.7 - 8.0	36.7	3.3 - 4.9 - 7.3	11	31	29	27	21	16	-
		4.60	82	29.8	5.4 - 6.9 - 9.8	38.1	4.6 - 6.3 - 8.9	54.9	4.0 - 5.7 - 8.0	17	37	34	32	28	23	11
		5.44	97	41.6	6.1 - 7.5 - 10.6	53.3	5.5 - 6.8 - 9.6	76.7	4.7 - 6.2 - 8.7	22	41	39	37	34	30	17
		6.27	112	55.4	6.6 - 8.1 - 11.4	71.0	6.0 - 7.3 - 10.4	102.2	5.4 - 6.6 - 9.4	27	45	42	41	38	36	23
		7.11	126	71.3	7.0 - 8.6 - 12.2	91.3	6.4 - 7.8 - 11.0	131.3	5.8 - 7.1 - 10.0	31	48	46	45	42	40	28
254 x 152	0.039	3.43	107	16.6	5.3 - 7.9 - 11.2	21.2	4.6 - 6.9 - 10.2	30.5	3.9 - 5.9 - 9.2	11	31	29	27	21	15	-
		4.35	136	26.7	6.7 - 8.9 - 12.6	34.1	5.8 - 8.1 - 11.4	49.1	5.0 - 7.3 - 10.4	18	38	35	33	29	24	11
		5.27	165	39.1	8.0 - 9.8 - 13.9	50.1	7.0 - 8.9 - 12.6	72.1	6.1 - 8.1 - 11.4	24	43	40	39	35	31	18
		6.19	194	54.0	8.7 - 10.7 - 15.1	69.2	7.9 - 9.7 - 13.7	99.5	7.1 - 8.7 - 12.4	29	47	44	43	40	37	25
		7.11	223	71.3	9.3 - 11.4 - 16.2	91.3	8.4 - 10.3 - 14.6	131.3	7.6 - 9.4 - 13.2	33	51	48	47	45	43	30
305 x 152	0.046	3.30	126	15.4	5.6 - 8.5 - 12.1	19.7	4.9 - 7.3 - 11.0	28.3	4.2 - 6.3 - 9.9	11	31	29	26	20	14	-
		4.25	162	25.5	7.3 - 9.7 - 13.8	32.7	6.3 - 8.8 - 12.5	47.0	5.4 - 8.0 - 11.3	18	38	36	34	29	24	11
		5.21	198	38.2	8.8 - 10.8 - 15.3	48.9	7.7 - 9.8 - 13.8	70.4	6.6 - 8.8 - 12.5	24	43	41	39	35	32	19
		6.16	235	53.4	9.6 - 11.7 - 16.6	68.5	8.7 - 10.6 - 15.0	98.5	7.8 - 9.6 - 13.6	29	48	45	44	41	38	25
		7.11	271	71.3	10.3 - 12.6 - 17.8	91.3	9.3 - 11.4 - 16.1	131.3	8.4 - 10.3 - 14.6	34	52	49	48	46	44	31
457 x 152	0.070	3.10	181	13.5	6.6 - 9.8 - 14.6	17.3	5.7 - 8.5 - 13.2	24.9	4.9 - 7.3 - 11.9	11	31	29	26	20	13	-
		4.10	240	23.7	8.7 - 11.9 - 16.8	30.4	7.5 - 10.7 - 15.2	43.7	6.5 - 9.7 - 13.7	19	39	36	34	29	24	11
		5.11	298	36.7	10.8 - 13.2 - 18.7	47.0	9.3 - 12.0 - 16.9	67.7	8.0 - 10.8 - 15.3	26	45	42	41	37	33	20
		6.11	357	52.6	11.8 - 14.5 - 20.5	67.3	10.7 - 13.1 - 18.5	96.9	9.6 - 11.8 - 16.8	31	50	47	46	43	40	27
		7.11	416	71.3	12.7 - 15.6 - 22.1	91.3	11.5 - 14.1 - 20.0	131.3	10.4 - 12.8 - 18.1	35	54	51	50	48	46	33
457 x 254	0.116	2.90	298	11.8	8.1 - 12.2 - 18.7	15.1	7.0 - 10.5 - 16.9	21.8	6.0 - 9.1 - 15.3	11	32	30	27	20	13	-
		3.95	407	22.0	11.1 - 15.4 - 21.8	28.1	9.6 - 14.0 - 19.8	40.5	8.2 - 12.4 - 17.9	20	40	38	36	31	25	12
		5.00	515	35.3	14.1 - 17.4 - 24.6	45.2	12.1 - 15.7 - 22.2	65.0	10.4 - 14.2 - 20.1	27	47	44	43	38	34	22
		6.06	624	51.7	15.6 - 19.1 - 27.0	66.2	14.1 - 17.3 - 24.5	95.3	12.6 - 15.7 - 22.1	33	52	49	48	45	42	29
		7.11	732	71.3	16.9 - 20.7 - 29.3	91.3	15.3 - 18.8 - 26.5	131.3	13.9 - 17.0 - 24.0	38	56	53	53	50	48	35
686 x 203	0.139	2.79	343	11.0	8.6 - 12.9 - 20.1	14.1	7.4 - 11.1 - 18.2	20.3	6.4 - 9.6 - 16.4	11	32	30	27	20	12	-
		3.87	476	21.1	11.9 - 16.7 - 23.6	27.1	10.2 - 15.1 - 21.4	38.9	8.8 - 13.2 - 19.3	20	41	38	36	31	25	12
		4.95	608	34.6	15.2 - 18.9 - 26.7	44.3	13.1 - 17.1 - 24.2	63.7	11.3 - 15.5 - 21.9	28	47	45	43	39	35	22
		6.03	741	51.3	17.0 - 20.8 - 29.5	65.7	15.4 - 18.9 - 26.7	94.5	13.8 - 17.1 - 24.1	34	52	50	49	45	42	30
		7.11	873	71.3	18.5 - 22.6 - 32.0	91.3	16.7 - 20.5 - 29.0	131.3	15.1 - 18.5 - 26.2	39	57	54	53	51	49	36
406 x 406	0.165	2.74	412	10.6	9.3 - 14.0 - 22.0	13.6	8.0 - 12.0 - 19.9	19.5	6.9 - 10.4 - 18.0	11	32	30	27	20	13	-
		3.84	575	20.7	13.0 - 18.4 - 26.0	26.5	11.2 - 16.6 - 23.5	38.2	9.7 - 14.5 - 21.3	21	41	39	37	31	26	13
		4.93	739	34.2	16.7 - 20.8 - 29.4	43.8	14.4 - 18.8 - 26.6	63.0	12.4 - 17.1 - 24.1	28	48	45	44	40	35	23
		6.02	903	51.1	18.8 - 23.0 - 32.5	65.4	17.0 - 20.8 - 29.5	94.1	15.2 - 18.8 - 26.7	34	53	50	49	46	43	30
		7.11	1067	71.3	20.4 - 25.0 - 35.4	91.3	18.5 - 22.6 - 32.0	131.3	16.7 - 20.5 - 29.0	39	58	55	54	52	50	37
457 x 457	0.209	2.69	517	10.2	10.3 - 15.5 - 24.6	13.1	8.9 - 13.4 - 22.3	18.8	7.6 - 11.5 - 20.2	11	33	31	28	21	13	-
		3.80	729	20.3	14.6 - 20.7 - 29.2	26.0	12.6 - 18.7 - 26.5	37.4	10.8 - 16.2 - 23.9	22	42	40	37	32	26	13
		4.90	941	33.9	18.8 - 23.5 - 33.2	43.4	16.2 - 21.3 - 30.1	62.4	14.0 - 19.2 - 27.2	29	49	46	45	40	36	24
		6.01	1153	50.8	21.2 - 26.0 - 36.8	65.1	19.2 - 23.5 - 33.3	93.7	17.1 - 21.3 - 30.1	35	54	51	50	47	44	31
		7.11	1365	71.3	23.1 - 28.3 - 40.0	91.3	20.9 - 25.6 - 36.2	131.3	18.9 - 23.2 - 32.8	40	59	56	55	53	51	38
762 x 305	0.232	2.64	561	9.8	10.7 - 16.0 - 25.6	12.6	9.2 - 13.8 - 23.2	18.1	7.7 - 11.9 - 21.0	11	33	31	27	20	13	-
		3.76	798	19.9	15.2 - 21.6 - 30.6	25.5	13.1 - 19.6 - 27.7	36.7	11.3 - 16.9 - 25.1	22	42	40	38	32	26	14
		4.88	1035	33.5	19.7 - 24.6 - 34.8	42.9	17.0 - 22.3 - 31.5	61.7	14.6 - 20.2 - 28.5	30	49	47	45	41	37	24
		5.99	1273	50.6	22.3 - 27.3 - 38.6	64.8	20.2 - 24.7 - 35.0	93.3	18.0 - 22.4 - 31.6	36	55	52	51	48	45	32
		7.11	1510	71.3	24.3 - 29.8 - 42.1	91.3	22.0 - 26.9 - 38.1	131.3	19.9 - 24.4 - 34.5	41	59	56	56	53	51	39
508 x 508	0.258	2.59	619	9.5	11.1 - 16.6 - 27.0	12.1	9.6 - 14.3 - 24.4	17.4	7.9 - 12.4 - 22.1	11	33	31	27	20	12	-
		3.72	890	19.5	15.9 - 22.8 - 32.3	25.0	13.7 - 20.6 - 29.2	35.9	11.8 - 17.8 - 26.5	22	42	40	38	32	27	14
		4.85	1160	33.2	20.8 - 26.1 - 36.9	42.5	17.9 - 23.6 - 33.4	61.1	15.4 - 21.4 - 30.2	30	50	47	45	41	37	24
		5.98	1430	50.4	23.6 - 29.0 - 41.0	64.6	21.4 - 26.2 - 37.1	92.9	19.0 - 23.7 - 33.5	36	55	52	51	48	45	32
		7.11	1700	71.3	25.8 - 31.6 - 44.7	91.3	23.3 - 28.6 - 40.4	131.3	21.1 - 25.9 - 36.6	41	60	57	56	54	52	39
762 x 406	0.310	2.54	731	9.1	11.9 - 17.9 - 29.3	11.6	10.3 - 15.4 - 26.5	16.7	8.3 - 13.3 - 24.0	11	33	31	28	20	12	-
		3.56	1023	17.8	16.7 - 24.5 - 34.6	22.8	14.4 - 21.6 - 31.4	32.8	12.4 - 18.6 - 28.4	21	42	40	37	32	26	13
		4.57	1316	29.4	21.5 - 27.8 - 39.3	37.7	18.5 - 25.1 - 35.6	54.3	16.0 - 22.7 - 32.2	29	49	46	44	40	35	23
		5.59	1608	44.0	25.1 - 30.7 - 43.4	56.3	22.6 - 27.8 - 39.3	81.0	19.5 - 25.1 - 35.6	35	54	51	50	47	43	30
		6.60	1901	61.4	27.3 - 33.4 - 47.2	78.7	24.7 - 30.2 - 42.7	113.2	22.3 - 27.3 - 38.7	40	59	56	55	52	50	37

NOTES: Throw values are given for terminal velocities of 0.75, 0.50, and 0.25 m/s. Throw values are given for isothermal conditions. 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, ISO Standard 5219, and ISO Standard 3741. See Krueger's selection program for performance data not shown, including octave band data.

680-5680-6880-56880MP

680, 5680, 6880, 56880 Performance Data: Horizontal Throw

METRIC DATA: 680, 5680, 6880, 56880, 1 1/4" BLADE SPACING (NO DAMPER)

Nom Duct	Duct Area	Neck Vel	Air Flow	0°		15°		30°		NC	Octave Band, dB					
				Pt	Throw	Pt	Throw	Pt	Throw		2	3	4	5	6	7
mm	m²	m/s	L/s	Pa	m	Pa	m	Pa	m							
914 x 356	0.325	2.49	750	8.7	12.0 - 17.9 - 29.7	11.2	10.3 - 15.5 - 26.8	16.1	8.2 - 13.3 - 24.3	11	33	31	27	20	12	-
		3.52	1060	17.4	16.9 - 24.9 - 35.3	22.3	14.6 - 21.9 - 31.9	32.1	12.6 - 18.8 - 28.9	21	42	40	37	31	25	12
		4.55	1370	29.1	21.8 - 28.3 - 40.1	37.3	18.8 - 25.7 - 36.3	53.7	16.2 - 23.2 - 32.8	29	49	46	44	40	35	23
		5.58	1680	43.8	25.6 - 31.4 - 44.4	56.1	23.1 - 28.4 - 40.2	80.7	19.9 - 25.7 - 36.3	35	54	52	50	47	43	31
		6.60	1990	61.4	27.9 - 34.2 - 48.3	78.7	25.2 - 30.9 - 43.7	113.2	22.8 - 28.0 - 39.6	40	59	56	55	52	50	37
762 x 457	0.348	2.49	810	8.7	12.4 - 18.6 - 30.8	11.2	10.7 - 16.1 - 27.9	16.1	8.5 - 13.9 - 25.2	11	33	31	28	20	12	-
		3.52	1145	17.4	17.6 - 25.9 - 36.6	22.3	15.1 - 22.7 - 33.2	32.1	13.1 - 19.6 - 30.0	22	42	40	37	32	26	13
		4.55	1480	29.1	22.7 - 29.5 - 41.7	37.3	19.6 - 26.7 - 37.7	53.7	16.9 - 24.1 - 34.1	29	49	47	45	40	36	23
		5.58	1815	43.8	26.6 - 32.6 - 46.1	56.1	24.0 - 29.5 - 41.8	80.7	20.7 - 26.7 - 37.8	35	55	52	51	47	44	31
		6.60	2150	61.4	29.0 - 35.5 - 50.2	78.7	26.2 - 32.1 - 45.4	113.2	23.7 - 29.1 - 41.1	40	59	56	55	53	50	37
914 x 457	0.418	2.44	957	8.4	13.4 - 20.1 - 33.5	10.7	11.3 - 17.3 - 30.3	15.4	9.0 - 14.9 - 27.4	11	33	31	28	20	12	-
		3.48	1365	17.1	19.1 - 28.3 - 40.0	21.8	16.5 - 24.7 - 36.2	31.4	14.2 - 21.3 - 32.8	22	43	40	38	32	26	13
		4.52	1774	28.8	24.8 - 32.2 - 45.6	36.9	21.4 - 29.2 - 41.3	53.1	18.4 - 26.4 - 37.3	30	50	47	45	41	36	23
		5.56	2182	43.6	29.2 - 35.8 - 50.6	55.8	26.3 - 32.4 - 45.8	80.3	22.7 - 29.3 - 41.4	36	55	53	51	48	44	32
		6.60	2591	61.4	31.8 - 39.0 - 55.1	78.7	28.8 - 35.3 - 49.9	113.2	26.1 - 31.9 - 45.1	41	60	57	56	53	51	38
1067 x 457	0.488	2.39	1096	8.0	14.2 - 21.2 - 35.9	10.3	11.7 - 18.3 - 32.4	14.8	9.3 - 15.8 - 29.4	11	34	31	28	20	12	-
		3.31	1522	15.5	19.7 - 29.5 - 42.2	19.8	17.0 - 25.4 - 38.2	28.5	14.6 - 21.9 - 34.6	21	42	40	37	31	25	12
		4.24	1947	25.3	25.2 - 33.8 - 47.8	32.5	21.7 - 30.6 - 43.2	46.7	18.7 - 27.7 - 39.1	29	49	46	44	39	34	22
		5.17	2373	37.6	30.5 - 37.3 - 52.8	48.2	26.4 - 33.8 - 47.7	69.3	22.8 - 30.5 - 43.2	35	54	51	50	46	42	29
		6.10	2799	52.4	33.1 - 40.5 - 57.3	67.1	29.9 - 36.7 - 51.8	96.5	26.9 - 33.2 - 46.9	39	58	56	55	51	49	36
762 x 762	0.581	2.29	1262	7.4	14.6 - 22.3 - 38.5	9.4	11.8 - 19.2 - 34.8	13.6	9.3 - 16.6 - 31.5	11	33	31	28	20	11	-
		3.24	1788	14.8	21.1 - 31.6 - 45.8	18.9	18.2 - 27.2 - 41.4	27.2	15.7 - 23.5 - 37.5	21	42	40	37	31	25	12
		4.19	2313	24.7	27.3 - 36.8 - 52.1	31.7	23.5 - 33.3 - 47.1	45.6	20.3 - 30.2 - 42.7	29	49	47	45	40	35	22
		5.14	2839	37.3	33.3 - 40.8 - 57.7	47.7	28.8 - 36.9 - 52.2	68.7	24.9 - 33.4 - 47.3	35	55	52	51	47	43	30
		6.10	3365	52.4	36.3 - 44.4 - 62.8	67.1	32.8 - 40.2 - 56.9	96.5	29.5 - 36.4 - 51.4	40	59	56	55	52	49	37
914 x 762	0.697	2.24	1487	7.0	15.3 - 23.9 - 41.8	9.0	12.4 - 20.6 - 37.8	13.0	9.8 - 17.8 - 34.2	11	33	31	28	20	11	-
		3.20	2129	14.4	22.8 - 34.3 - 50.0	18.5	19.7 - 29.6 - 45.2	26.6	17.0 - 25.5 - 40.9	22	43	41	38	32	25	12
		4.17	2771	24.4	29.7 - 40.3 - 57.0	31.3	25.6 - 36.5 - 51.6	45.0	22.1 - 33.0 - 46.7	30	50	47	45	40	35	23
		5.13	3413	37.1	36.5 - 44.7 - 63.3	47.5	31.6 - 40.5 - 57.3	68.3	27.2 - 36.6 - 51.8	36	55	53	51	47	43	31
		6.10	4055	52.4	39.8 - 48.8 - 69.0	67.1	36.0 - 44.1 - 62.4	96.5	32.4 - 39.9 - 56.5	41	60	57	56	53	50	37
1067 x 762	0.813	2.18	1700	6.7	15.8 - 25.3 - 44.7	8.6	12.8 - 21.8 - 40.4	12.4	10.1 - 18.8 - 36.6	11	33	31	28	20	11	-
		3.04	2363	13.0	23.4 - 35.2 - 52.6	16.6	20.2 - 30.3 - 47.6	23.9	17.4 - 26.1 - 43.1	21	42	40	37	31	24	11
		3.89	3025	21.3	30.0 - 42.1 - 59.6	27.3	25.9 - 38.1 - 53.9	39.2	22.3 - 33.5 - 48.8	28	49	46	44	39	33	20
		4.74	3687	31.6	36.6 - 46.5 - 65.8	40.5	31.5 - 42.1 - 59.5	58.2	27.2 - 38.1 - 53.9	34	54	51	50	45	41	28
		5.59	4350	44.0	41.2 - 50.5 - 71.4	56.3	37.2 - 45.7 - 64.6	81.0	32.1 - 41.4 - 58.5	39	58	56	54	51	47	35
1219 x 762	0.929	2.13	1902	6.4	16.2 - 26.5 - 47.2	8.2	13.1 - 22.8 - 42.7	11.8	10.3 - 19.7 - 38.7	11	33	31	28	20	11	-
		3.00	2672	12.7	24.8 - 37.2 - 56.0	16.2	21.4 - 32.0 - 50.7	23.3	18.4 - 27.6 - 45.8	21	42	40	37	31	24	11
		3.86	3442	21.0	31.9 - 44.9 - 63.5	26.9	27.5 - 40.7 - 57.5	38.7	23.7 - 35.6 - 52.0	29	49	47	45	39	34	21
		4.72	4213	31.4	39.1 - 49.7 - 70.3	40.3	33.7 - 45.0 - 63.6	57.9	29.0 - 40.7 - 57.6	35	55	52	50	46	42	29
		5.59	4983	44.0	44.1 - 54.1 - 76.4	56.3	39.8 - 48.9 - 69.2	81.0	34.3 - 44.3 - 62.6	40	59	56	55	51	48	35
1219 x 914	1.115	2.08	2238	6.1	16.9 - 28.4 - 51.2	7.8	13.7 - 24.4 - 46.4	11.3	10.8 - 21.1 - 42.0	11	34	32	28	20	-	-
		2.96	3180	12.3	26.9 - 40.3 - 61.1	15.8	23.2 - 34.7 - 55.3	22.7	20.0 - 29.9 - 50.0	21	43	41	38	31	24	11
		3.84	4121	20.7	34.8 - 49.2 - 69.5	26.5	30.0 - 44.5 - 62.9	38.2	25.9 - 38.8 - 56.9	29	50	47	45	40	34	21
		4.71	5063	31.3	42.8 - 54.5 - 77.1	40.1	36.9 - 49.3 - 69.7	57.6	31.8 - 44.6 - 63.1	35	55	53	51	47	42	29
		5.59	6005	44.0	48.4 - 59.3 - 83.9	56.3	43.7 - 53.7 - 75.9	81.0	37.7 - 48.6 - 68.7	40	60	57	56	52	49	36
1168 x 1168	1.365	2.03	2684	5.8	17.9 - 30.7 - 56.1	7.5	14.4 - 26.4 - 50.8	10.7	11.4 - 22.8 - 45.6	11	34	32	28	20	-	-
		2.92	3859	12.0	29.4 - 44.1 - 67.3	15.4	25.3 - 38.0 - 60.9	22.1	21.8 - 32.8 - 55.1	22	43	41	38	32	25	12
		3.81	5033	20.5	38.3 - 54.3 - 76.8	26.2	33.1 - 49.2 - 69.5	37.7	28.5 - 42.7 - 62.9	30	51	48	46	40	35	22
		4.70	6207	31.1	47.3 - 60.3 - 85.3	39.8	40.8 - 54.6 - 77.2	57.3	35.1 - 49.4 - 69.9	36	56	54	52	47	43	30
		5.59	7382	44.0	53.7 - 65.8 - 93.0	56.3	48.5 - 59.5 - 84.2	81.0	41.8 - 53.9 - 76.2	41	61	58	57	53	50	37
1219 x 1219	1.486	2.03	2927	5.8	18.6 - 32.0 - 58.6	7.5	15.1 - 27.6 - 53.0	10.7	11.9 - 23.8 - 47.6	11	34	32	28	20	11	-
		2.92	4207	12.0	30.7 - 46.0 - 70.2	15.4	26.5 - 39.7 - 63.6	22.1	22.8 - 34.2 - 57.5	22	44	42	39	32	25	12
		3.81	5488	20.5	40.0 - 56.7 - 80.2	26.2	34.5 - 51.3 - 72.6	37.7	29.8 - 44.6 - 65.7	30	51	48	46	41	35	22
		4.70	6768	31.1	49.4 - 63.0 - 89.1	39.8	42.6 - 57.0 - 80.6	57.3	36.7 - 51.6 - 73.0	36	56	54	52	48	43	31
		5.59	8049	44.0	56.1 - 68.7 - 97.2	56.3	50.6 - 62.2 - 87.9	81.0	43.6 - 56.3 - 79.6	42	61	58	57	54	50	37

NOTES: Throw values are given for terminal velocities of 0.75, 0.50, and 0.25 m/s. Throw values are given for isothermal conditions. 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, ISO Standard 5219, and ISO Standard 3741. See Krueger's selection program for performance data not shown, including octave band data.

680, 5680, 6880, 56880 Performance Data: Horizontal Throw

METRIC DATA: 680, 5680, 6880, 56880, 2” BLADE SPACING (NO DAMPER)

Nom Duct	Duct Area	Neck Vel	Air Flow	0° Pt	0° Throw	15° Pt	15° Throw	30° Pt	30° Throw	NC	Octave Band, dB 2	3	4	5	6	7
mm	m²	m/s	L/s	Pa	m	Pa	m	Pa	m							
152 x 152	0.023	3.91	70	20.4	4.6 - 6.4 - 9.0	25.5	3.9 - 5.8 - 8.2	35.1	3.4 - 5.1 - 7.4	**11**	31	28	26	21	15	-
		4.84	86	31.2	5.6 - 7.1 - 10.0	39.1	4.9 - 6.4 - 9.1	53.8	4.2 - 5.8 - 8.2	**17**	36	34	32	28	23	11
		5.77	103	44.3	6.3 - 7.8 - 11.0	55.5	5.7 - 7.0 - 9.9	76.3	5.0 - 6.3 - 9.0	**22**	41	38	37	34	30	18
		6.69	119	59.6	6.8 - 8.4 - 11.8	74.8	6.2 - 7.6 - 10.7	102.9	5.6 - 6.8 - 9.7	**27**	45	42	41	38	36	23
		7.62	136	77.3	7.3 - 8.9 - 12.6	96.9	6.6 - 8.1 - 11.4	133.3	6.0 - 7.3 - 10.3	**31**	48	45	45	43	41	28
254 x 152	0.039	3.71	116	18.3	5.7 - 8.3 - 11.7	23.0	5.0 - 7.4 - 10.6	31.6	4.3 - 6.4 - 9.6	**11**	32	29	27	21	16	-
		4.69	147	29.2	7.3 - 9.3 - 13.1	36.7	6.3 - 8.4 - 11.9	50.4	5.4 - 7.6 - 10.7	**18**	38	35	33	29	25	12
		5.66	177	42.7	8.3 - 10.2 - 14.4	53.6	7.5 - 9.2 - 13.1	73.7	6.5 - 8.4 - 11.8	**24**	43	40	39	35	32	19
		6.64	208	58.7	9.0 - 11.0 - 15.6	73.6	8.2 - 10.0 - 14.1	101.3	7.4 - 9.0 - 12.8	**29**	47	44	43	41	38	26
		7.62	239	77.3	9.7 - 11.8 - 16.7	96.9	8.7 - 10.7 - 15.1	133.3	7.9 - 9.7 - 13.7	**33**	51	48	47	45	44	31
305 x 152	0.046	3.56	136	16.8	6.1 - 8.9 - 12.6	21.1	5.2 - 7.9 - 11.4	29.0	4.5 - 6.8 - 10.3	**11**	31	29	26	21	15	-
		4.57	174	27.8	7.8 - 10.1 - 14.3	34.9	6.7 - 9.1 - 12.9	48.0	5.8 - 8.3 - 11.7	**19**	38	35	34	29	25	12
		5.59	213	41.6	9.1 - 11.2 - 15.8	52.1	8.2 - 10.1 - 14.3	71.7	7.1 - 9.2 - 12.9	**25**	43	41	39	36	32	20
		6.60	252	58.1	9.9 - 12.1 - 17.2	72.8	9.0 - 11.0 - 15.5	100.2	8.1 - 9.9 - 14.1	**29**	48	45	44	41	39	26
		7.62	290	77.3	10.7 - 13.0 - 18.5	96.9	9.6 - 11.8 - 16.7	133.3	8.7 - 10.7 - 15.1	**34**	52	49	48	46	44	32
457 x 152	0.070	3.35	196	15.0	7.1 - 10.6 - 15.2	18.8	6.1 - 9.2 - 13.7	25.8	5.3 - 7.9 - 12.4	**11**	32	29	27	21	14	-
		4.42	258	26.0	9.4 - 12.3 - 17.4	32.6	8.1 - 11.1 - 15.7	44.9	7.0 - 10.1 - 14.3	**19**	39	36	35	30	25	12
		5.49	321	40.1	11.2 - 13.7 - 19.4	50.2	10.0 - 12.4 - 17.5	69.1	8.6 - 11.2 - 15.9	**26**	45	42	41	37	33	21
		6.55	383	57.2	12.2 - 15.0 - 21.2	71.7	11.1 - 13.6 - 19.2	98.6	10.0 - 12.3 - 17.4	**31**	49	47	46	43	40	28
		7.62	445	77.3	13.2 - 16.2 - 22.8	96.9	11.9 - 14.6 - 20.7	133.3	10.8 - 13.2 - 18.7	**36**	53	50	50	48	46	34
457 x 254	0.116	3.10	319	12.8	8.7 - 13.1 - 19.3	16.0	7.5 - 11.3 - 17.5	22.1	6.5 - 9.7 - 15.8	**11**	32	30	27	21	14	-
		4.23	435	23.8	11.9 - 16.0 - 22.6	29.9	10.2 - 14.5 - 20.4	41.1	8.8 - 13.1 - 18.5	**20**	40	38	36	31	26	13
		5.36	552	38.2	14.7 - 18.0 - 25.4	47.9	13.0 - 16.3 - 23.0	66.0	11.2 - 14.7 - 20.8	**27**	46	44	42	39	35	22
		6.49	668	56.1	16.2 - 19.8 - 28.0	70.3	14.6 - 17.9 - 25.3	96.7	13.2 - 16.2 - 22.9	**33**	52	49	48	45	42	30
		7.62	784	77.3	17.5 - 21.4 - 30.3	96.9	15.8 - 19.4 - 27.5	133.3	14.3 - 17.6 - 24.8	**38**	56	53	52	50	49	36
686 x 203	0.139	3.05	374	12.4	9.3 - 14.0 - 20.9	15.5	8.1 - 12.1 - 19.0	21.3	7.0 - 10.4 - 17.2	**11**	32	30	27	21	14	-
		4.19	515	23.4	12.9 - 17.4 - 24.6	29.3	11.1 - 15.7 - 22.2	40.3	9.6 - 14.2 - 20.1	**21**	41	38	36	31	26	13
		5.33	655	37.9	16.0 - 19.6 - 27.7	47.5	14.1 - 17.7 - 25.1	65.3	12.2 - 16.0 - 22.7	**28**	47	44	43	39	36	23
		6.48	795	55.9	17.6 - 21.6 - 30.5	70.0	16.0 - 19.5 - 27.6	96.3	14.4 - 17.7 - 25.0	**34**	52	50	49	46	43	30
		7.62	936	77.3	19.1 - 23.4 - 33.1	96.9	17.3 - 21.2 - 30.0	133.3	15.7 - 19.2 - 27.1	**39**	57	54	53	51	49	37
406 x 406	0.165	2.95	442	11.6	10.0 - 15.0 - 22.8	14.5	8.6 - 12.9 - 20.6	19.9	7.4 - 11.1 - 18.6	**11**	32	30	27	20	13	-
		4.11	617	22.5	14.0 - 19.0 - 26.9	28.3	12.0 - 17.2 - 24.4	38.9	10.4 - 15.6 - 22.0	**21**	41	39	37	32	26	14
		5.28	793	37.2	17.6 - 21.6 - 30.5	46.6	15.4 - 19.5 - 27.6	64.1	13.3 - 17.7 - 25.0	**29**	48	45	44	40	36	23
		6.45	968	55.4	19.5 - 23.8 - 33.7	69.5	17.6 - 21.6 - 30.5	95.6	15.9 - 19.5 - 27.6	**35**	53	50	49	47	44	31
		7.62	1143	77.3	21.1 - 25.9 - 36.6	96.9	19.1 - 23.4 - 33.1	133.3	17.3 - 21.2 - 30.0	**39**	57	55	54	52	50	38
457 x 457	0.209	2.84	546	10.8	10.9 - 16.4 - 25.3	13.5	9.4 - 14.1 - 22.9	18.6	8.1 - 12.2 - 20.7	**11**	32	30	27	20	13	-
		4.04	775	21.7	15.5 - 21.3 - 30.2	27.2	13.4 - 19.3 - 27.3	37.5	11.5 - 17.3 - 24.7	**22**	42	39	37	32	27	14
		5.23	1004	36.5	19.8 - 24.3 - 34.3	45.7	17.3 - 22.0 - 31.1	62.9	14.9 - 19.9 - 28.1	**29**	49	46	44	41	37	24
		6.43	1234	55.0	22.0 - 26.9 - 38.0	68.9	19.9 - 24.3 - 34.4	94.8	18.0 - 22.0 - 31.1	**35**	54	51	50	47	45	32
		7.62	1463	77.3	23.9 - 29.3 - 41.4	96.9	21.6 - 26.5 - 37.5	133.3	19.6 - 24.0 - 33.9	**41**	59	56	55	53	51	39
762 x 305	0.232	2.84	604	10.8	11.5 - 17.2 - 26.6	13.5	9.9 - 14.8 - 24.1	18.6	8.5 - 12.8 - 21.8	**11**	33	31	28	21	14	-
		4.04	857	21.7	16.3 - 22.4 - 31.7	27.2	14.0 - 20.3 - 28.7	37.5	12.1 - 18.2 - 26.0	**22**	42	40	38	32	27	14
		5.23	1111	36.5	20.8 - 25.5 - 36.1	45.7	18.2 - 23.1 - 32.7	62.9	15.7 - 20.9 - 29.6	**30**	49	46	45	41	37	24
		6.43	1364	55.0	23.1 - 28.3 - 40.0	68.9	20.9 - 25.6 - 36.2	94.8	18.9 - 23.2 - 32.8	**36**	54	52	51	48	45	33
		7.62	1618	77.3	25.1 - 30.8 - 43.6	96.9	22.8 - 27.9 - 39.4	133.3	20.6 - 25.2 - 35.7	**41**	59	56	56	54	52	39
508 x 508	0.258	2.79	668	10.4	12.0 - 17.9 - 28.0	13.0	10.3 - 15.5 - 25.3	17.9	8.9 - 13.3 - 22.9	**11**	33	31	28	21	13	-
		4.00	956	21.3	17.1 - 23.7 - 33.5	26.7	14.8 - 21.4 - 30.3	36.8	12.7 - 19.1 - 27.4	**22**	42	40	38	33	27	14
		5.21	1245	36.1	22.1 - 27.0 - 38.2	45.3	19.2 - 24.5 - 34.6	62.3	16.6 - 22.1 - 31.3	**30**	49	47	45	41	38	25
		6.41	1533	54.8	24.5 - 30.0 - 42.4	68.7	22.2 - 27.1 - 38.4	94.5	20.0 - 24.6 - 34.7	**36**	55	52	51	48	46	33
		7.62	1822	77.3	26.7 - 32.7 - 46.2	96.9	24.2 - 29.6 - 41.8	133.3	21.9 - 26.8 - 37.9	**41**	59	57	56	54	52	40
762 x 406	0.310	2.69	775	9.7	12.6 - 19.0 - 30.1	12.1	10.9 - 16.4 - 27.3	16.6	9.4 - 14.1 - 24.7	**11**	33	30	27	20	13	-
		3.86	1111	19.8	18.1 - 25.5 - 36.1	24.9	15.6 - 23.1 - 32.7	34.2	13.5 - 20.2 - 29.6	**22**	42	40	38	32	27	14
		5.03	1447	33.7	23.6 - 29.1 - 41.2	42.2	20.4 - 26.4 - 37.3	58.1	17.6 - 23.9 - 33.7	**30**	49	47	45	41	37	24
		6.20	1784	51.1	26.4 - 32.3 - 45.7	64.1	23.9 - 29.3 - 41.4	88.2	21.6 - 26.5 - 37.5	**36**	55	52	51	48	45	32
		7.37	2120	72.2	28.8 - 35.3 - 49.9	90.6	26.1 - 31.9 - 45.1	124.6	23.6 - 28.9 - 40.8	**41**	59	57	56	54	52	39

NOTES: Throw values are given for terminal velocities of 0.75, 0.50, and 0.25 m/s. Throw values are given for isothermal conditions. 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, ISO Standard 5219, and ISO Standard 3741. See Krueger’s selection program for performance data not shown, including octave band data.

680, 5680, 6880, 56880 Performance Data: Horizontal Throw

METRIC DATA: 680, 5680, 6880, 56880, 2” BLADE SPACING (NO DAMPER)

Nom Duct	Duct Area	Neck Vel	Air Flow	0° Pt	0° Throw	15° Pt	15° Throw	30° Pt	30° Throw	NC	Octave Band, dB 2	3	4	5	6	7
mm	m²	m/s	L/s	Pa	m	Pa	m	Pa	m							
914 x 356	0.325	2.69	811	9.7	12.9 - 19.4 - 30.8	12.1	11.2 - 16.7 - 27.9	16.6	9.6 - 14.4 - 25.3	11	33	31	28	21	13	-
		3.86	1163	19.8	18.6 - 26.1 - 36.9	24.9	16.0 - 23.6 - 33.4	34.2	13.8 - 20.7 - 30.2	22	42	40	38	32	27	14
		5.03	1515	33.7	24.2 - 29.8 - 42.2	42.2	20.8 - 27.0 - 38.2	58.1	18.0 - 24.4 - 34.5	30	49	47	45	41	37	24
		6.20	1868	51.1	27.0 - 33.1 - 46.8	64.1	24.5 - 29.9 - 42.4	88.2	22.1 - 27.1 - 38.3	36	55	52	51	48	45	33
		7.37	2220	72.2	29.5 - 36.1 - 51.0	90.6	26.7 - 32.7 - 46.2	124.6	24.1 - 29.5 - 41.8	41	60	57	56	54	52	39
762 x 457	0.348	2.64	860	9.3	13.2 - 19.8 - 31.8	11.6	11.4 - 17.1 - 28.7	16.0	9.6 - 14.7 - 26.0	11	33	30	27	20	13	-
		3.76	1224	18.8	18.8 - 26.8 - 37.9	23.6	16.2 - 24.2 - 34.3	32.5	14.0 - 20.9 - 31.0	22	42	40	37	32	26	13
		4.88	1588	31.7	24.4 - 30.5 - 43.1	39.7	21.0 - 27.6 - 39.1	54.6	18.1 - 25.0 - 35.3	29	49	46	45	41	36	24
		5.99	1951	47.8	27.6 - 33.8 - 47.8	60.0	25.0 - 30.6 - 43.3	82.5	22.3 - 27.7 - 39.2	36	54	52	51	47	44	32
		7.11	2315	67.4	30.1 - 36.8 - 52.1	84.4	27.2 - 33.3 - 47.2	116.2	24.6 - 30.2 - 42.7	41	59	56	56	53	51	38
914 x 457	0.418	2.59	1016	8.9	14.2 - 21.3 - 34.5	11.2	12.2 - 18.4 - 31.2	15.4	10.1 - 15.8 - 28.3	11	33	31	28	20	13	-
		3.72	1460	18.4	20.4 - 29.3 - 41.4	23.1	17.6 - 26.4 - 37.4	31.8	15.2 - 22.8 - 33.9	22	43	40	38	32	27	14
		4.85	1903	31.3	26.6 - 33.4 - 47.2	39.3	22.9 - 30.2 - 42.8	54.0	19.8 - 27.4 - 38.7	30	50	47	45	41	37	24
		5.98	2347	47.6	30.3 - 37.1 - 52.5	59.7	27.4 - 33.6 - 47.5	82.2	24.4 - 30.4 - 43.0	36	55	52	51	48	45	32
		7.11	2790	67.4	33.0 - 40.4 - 57.2	84.4	29.9 - 36.6 - 51.8	116.2	27.0 - 33.1 - 46.8	41	60	57	56	54	52	39
1067 x 457	0.488	2.54	1166	8.6	15.1 - 22.6 - 37.0	10.8	13.0 - 19.5 - 33.5	14.8	10.5 - 16.8 - 30.3	11	33	31	28	20	12	-
		3.62	1662	17.4	21.5 - 31.2 - 44.1	21.9	18.5 - 27.8 - 40.0	30.1	16.0 - 23.9 - 36.2	22	43	40	38	32	26	13
		4.70	2157	29.4	27.9 - 35.6 - 50.3	36.9	24.0 - 32.2 - 45.5	50.7	20.7 - 29.1 - 41.2	30	49	47	45	41	36	24
		5.78	2653	44.5	32.2 - 39.4 - 55.8	55.7	29.1 - 35.7 - 50.5	76.7	25.5 - 32.3 - 45.7	36	55	52	51	48	44	32
		6.86	3148	62.6	35.1 - 43.0 - 60.8	78.5	31.8 - 38.9 - 55.0	108.0	28.7 - 35.2 - 49.8	41	60	57	56	53	51	38
762 x 762	0.581	2.49	1374	8.3	16.2 - 24.3 - 40.1	10.3	14.0 - 20.9 - 36.3	14.2	11.1 - 18.1 - 32.9	11	33	31	28	21	13	-
		3.52	1942	16.5	22.9 - 33.7 - 47.7	20.7	19.7 - 29.6 - 43.2	28.4	17.0 - 25.5 - 39.1	22	43	40	38	32	26	13
		4.55	2510	27.5	29.6 - 38.4 - 54.2	34.5	25.5 - 34.7 - 49.1	47.5	22.0 - 31.4 - 44.4	29	49	47	45	41	36	23
		5.58	3077	41.4	34.7 - 42.5 - 60.1	51.9	31.3 - 38.4 - 54.4	71.4	27.0 - 34.8 - 49.2	36	55	52	51	47	44	31
		6.60	3645	58.1	37.7 - 46.2 - 65.4	72.8	34.2 - 41.8 - 59.2	100.2	30.9 - 37.9 - 53.5	41	59	57	56	53	50	38
914 x 762	0.697	2.39	1588	7.6	17.0 - 25.6 - 43.2	9.5	14.1 - 22.0 - 39.1	13.1	11.2 - 19.0 - 35.3	11	33	31	28	20	12	-
		3.44	2289	15.8	24.6 - 36.6 - 51.8	19.8	21.2 - 31.8 - 46.9	27.2	18.3 - 27.4 - 42.4	22	43	40	38	32	26	13
		4.50	2991	26.9	32.1 - 41.9 - 59.2	33.7	27.7 - 37.9 - 53.6	46.4	23.9 - 34.3 - 48.5	30	50	47	46	41	36	24
		5.55	3692	41.0	38.0 - 46.5 - 65.8	51.4	34.2 - 42.1 - 59.6	70.7	29.5 - 38.1 - 53.9	36	56	53	52	48	44	32
		6.60	4393	58.1	41.4 - 50.8 - 71.8	72.8	37.5 - 45.9 - 65.0	100.2	33.9 - 41.6 - 58.8	41	60	57	57	54	51	39
1067 x 762	0.813	2.34	1819	7.3	18.0 - 27.1 - 46.2	9.1	14.6 - 23.3 - 41.8	12.5	11.6 - 20.1 - 37.8	11	33	31	28	20	12	-
		3.34	2600	14.9	25.8 - 38.7 - 55.2	18.6	22.2 - 33.4 - 50.0	25.6	19.2 - 28.8 - 45.2	22	43	40	38	32	25	13
		4.34	3381	25.1	33.5 - 44.5 - 63.0	31.5	28.9 - 40.3 - 57.0	43.3	24.9 - 36.5 - 51.6	30	50	47	45	41	36	23
		5.35	4162	38.1	40.3 - 49.4 - 69.9	47.7	35.6 - 44.7 - 63.2	65.6	30.7 - 40.5 - 57.2	36	55	53	51	47	44	31
		6.35	4943	53.7	44.0 - 53.8 - 76.1	67.3	39.8 - 48.7 - 68.9	92.6	36.0 - 44.1 - 62.4	41	60	57	56	53	50	38
1219 x 762	0.929	2.29	2038	7.0	18.6 - 28.3 - 48.9	8.7	15.0 - 24.4 - 44.2	12.0	11.9 - 21.1 - 40.0	11	33	31	28	20	11	-
		3.30	2944	14.5	27.3 - 40.9 - 58.8	18.2	23.5 - 35.3 - 53.2	25.0	20.3 - 30.4 - 48.1	22	43	41	38	32	26	13
		4.32	3850	24.8	35.7 - 47.5 - 67.2	31.1	30.8 - 43.0 - 60.8	42.8	26.5 - 38.9 - 55.0	30	50	48	46	41	36	23
		5.33	4756	37.9	43.1 - 52.8 - 74.7	47.5	38.0 - 47.8 - 67.6	65.3	32.8 - 43.2 - 61.2	36	56	53	52	48	44	31
		6.35	5662	53.7	47.0 - 57.6 - 81.5	67.3	42.6 - 52.1 - 73.7	92.6	38.5 - 47.2 - 66.7	41	60	58	57	54	51	38
1219 x 914	1.115	2.24	2402	6.7	19.5 - 30.4 - 53.1	8.3	15.7 - 26.2 - 48.0	11.5	12.5 - 22.6 - 43.5	11	33	31	28	20	11	-
		3.20	3439	13.6	29.0 - 43.6 - 63.5	17.1	25.0 - 37.6 - 57.5	23.5	21.6 - 32.4 - 52.0	22	43	41	38	32	25	12
		4.17	4476	23.1	37.8 - 51.2 - 72.5	29.0	32.6 - 46.4 - 65.6	39.8	28.1 - 42.0 - 59.3	30	50	47	45	41	35	23
		5.13	5513	35.1	46.4 - 56.9 - 80.4	43.9	40.1 - 51.5 - 72.8	60.5	34.6 - 46.6 - 65.8	36	56	53	51	47	44	31
		6.10	6550	49.5	50.6 - 62.0 - 87.6	62.0	45.8 - 56.1 - 79.3	85.3	41.1 - 50.8 - 71.8	41	60	57	56	53	50	38
1168 x 1168	1.365	2.18	2886	6.4	20.6 - 33.0 - 58.2	8.0	16.7 - 28.4 - 52.6	11.0	13.2 - 24.5 - 47.6	11	34	32	28	20	11	-
		3.10	4094	12.8	31.2 - 46.8 - 69.3	16.0	26.9 - 40.3 - 62.7	22.1	23.2 - 34.8 - 56.7	22	43	41	38	32	25	12
		4.01	5301	21.4	40.4 - 55.8 - 78.8	26.9	34.8 - 50.5 - 71.4	37.0	30.0 - 45.0 - 64.6	29	50	47	45	40	35	22
		4.93	6509	32.3	49.6 - 61.8 - 87.4	40.5	42.7 - 55.9 - 79.1	55.8	36.9 - 50.6 - 71.6	36	55	53	51	47	43	30
		5.84	7717	45.4	54.9 - 67.3 - 95.1	57.0	49.7 - 60.9 - 86.1	78.4	43.7 - 55.1 - 77.9	41	60	57	56	53	49	37
1219 x 1219	1.486	2.13	3073	6.1	20.6 - 33.6 - 60.0	7.6	16.6 - 29.0 - 54.3	10.5	13.1 - 25.0 - 49.2	11	34	31	28	20	11	-
		3.06	4409	12.5	32.2 - 48.2 - 71.9	15.6	27.7 - 41.6 - 65.1	21.5	23.9 - 35.9 - 58.9	22	43	41	38	32	25	12
		3.99	5744	21.2	41.9 - 58.0 - 82.1	26.5	36.1 - 52.5 - 74.3	36.5	31.1 - 46.7 - 67.2	30	50	48	46	40	35	22
		4.92	7079	32.2	51.6 - 64.4 - 91.1	40.3	44.5 - 58.3 - 82.5	55.5	38.4 - 52.8 - 74.6	36	56	53	51	47	43	30
		5.84	8415	45.4	57.4 - 70.2 - 99.3	57.0	51.9 - 63.6 - 89.9	78.4	45.6 - 57.5 - 81.4	41	60	58	56	53	50	37

NOTES: Throw values are given for terminal velocities of 0.75, 0.50, and 0.25 m/s. Throw values are given for isothermal conditions. 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, ISO Standard 5219, and ISO Standard 3741. See Krueger’s selection program for performance data not shown, including octave band data.

680, 5680, 6880, 56880 Performance Data: Horizontal Throw

METRIC DATA: 680, 5680, 6880, 56880, 3" BLADE SPACING (NO DAMPER)

Nom Duct	Duct Area	Neck Vel	Air Flow	0° Pt	0° Throw	15° Pt	15° Throw	30° Pt	30° Throw	NC	Octave Band, dB 2	3	4	5	6	7
mm	m²	m/s	L/s	Pa	m	Pa	m	Pa	m							
305 x 305	0.093	3.25	265	13.4	8.1 - 12.2 - 17.6	16.3	7.0 - 10.5 - 16.0	21.8	6.0 - 9.1 - 14.4	**11**	32	30	27	21	15	-
		3.96	324	19.8	9.9 - 13.8 - 19.5	24.2	8.5 - 12.5 - 17.6	32.4	7.4 - 11.1 - 16.0	**17**	37	35	33	28	22	-
		4.67	382	27.6	11.7 - 15.0 - 21.2	33.7	10.1 - 13.5 - 19.1	45.1	8.7 - 12.3 - 17.3	**22**	42	39	38	33	29	16
		5.38	440	36.7	13.1 - 16.1 - 22.7	44.8	11.6 - 14.5 - 20.6	59.9	10.0 - 13.1 - 18.6	**27**	46	43	42	38	34	21
		6.10	498	47.0	13.9 - 17.1 - 24.2	57.4	12.6 - 15.5 - 21.9	76.7	11.3 - 14.0 - 19.8	**30**	49	46	45	42	39	26
305 x 457	0.139	3.05	382	11.7	9.4 - 14.2 - 21.2	14.3	8.1 - 12.2 - 19.1	19.2	7.0 - 10.5 - 17.3	**11**	32	30	27	21	14	-
		3.81	477	18.3	11.8 - 16.7 - 23.7	22.4	10.2 - 15.1 - 21.4	30.0	8.8 - 13.2 - 19.4	**18**	38	36	34	28	23	-
		4.57	572	26.4	14.2 - 18.3 - 25.9	32.3	12.2 - 16.6 - 23.4	43.2	10.5 - 15.0 - 21.2	**23**	43	41	39	34	30	17
		5.33	668	36.0	16.2 - 19.8 - 28.0	43.9	14.2 - 17.9 - 25.3	58.7	12.3 - 16.2 - 22.9	**28**	47	45	43	39	36	23
		6.10	763	47.0	17.3 - 21.2 - 29.9	57.4	15.6 - 19.1 - 27.1	76.7	14.0 - 17.3 - 24.5	**32**	51	48	47	44	41	28
406 x 457	0.186	2.84	483	10.2	10.3 - 15.4 - 23.8	12.5	8.8 - 13.3 - 21.5	16.7	7.6 - 11.4 - 19.5	**11**	32	30	27	20	13	-
		3.66	621	16.9	13.2 - 19.1 - 27.0	20.7	11.4 - 17.1 - 24.4	27.6	9.8 - 14.7 - 22.1	**18**	39	36	34	28	22	-
		4.47	759	25.3	16.1 - 21.1 - 29.8	30.9	13.9 - 19.1 - 27.0	41.3	12.0 - 17.3 - 24.4	**24**	44	41	39	35	30	17
		5.28	897	35.3	18.7 - 22.9 - 32.4	43.1	16.4 - 20.8 - 29.3	57.6	14.2 - 18.8 - 26.6	**29**	48	46	44	40	37	24
		6.10	1035	47.0	20.1 - 24.6 - 34.8	57.4	18.2 - 22.3 - 31.5	76.7	16.3 - 20.2 - 28.5	**33**	52	49	48	45	42	30
610 x 457	0.279	2.74	710	9.5	12.2 - 18.3 - 28.9	11.6	10.5 - 15.8 - 26.1	15.5	9.1 - 13.6 - 23.6	**11**	33	30	27	20	13	-
		3.58	927	16.2	15.9 - 23.3 - 33.0	19.8	13.7 - 20.6 - 29.8	26.5	11.9 - 17.8 - 27.0	**19**	40	37	35	29	23	-
		4.42	1144	24.7	19.7 - 25.9 - 36.6	30.2	17.0 - 23.4 - 33.1	40.3	14.6 - 21.2 - 30.0	**25**	45	43	41	36	32	19
		5.26	1360	34.9	23.1 - 28.2 - 39.9	42.7	20.2 - 25.6 - 36.2	57.1	17.4 - 23.1 - 32.7	**31**	50	47	46	42	38	26
		6.10	1577	47.0	24.8 - 30.4 - 43.0	57.4	22.5 - 27.5 - 38.9	76.7	20.2 - 24.9 - 35.2	**35**	54	51	50	47	44	31
813 x 457	0.372	2.64	919	8.8	13.6 - 20.5 - 32.8	10.8	11.8 - 17.6 - 29.7	14.4	9.9 - 15.2 - 26.9	**11**	33	31	28	21	13	-
		3.51	1219	15.5	18.1 - 26.7 - 37.8	19.0	15.6 - 23.4 - 34.2	25.4	13.5 - 20.2 - 31.0	**20**	41	38	36	30	24	11
		4.37	1519	24.1	22.6 - 29.8 - 42.2	29.5	19.4 - 27.0 - 38.2	39.4	16.8 - 24.4 - 34.6	**26**	46	44	42	37	32	20
		5.23	1820	34.6	26.7 - 32.7 - 46.2	42.3	23.3 - 29.6 - 41.8	56.5	20.1 - 26.8 - 37.8	**32**	51	48	47	43	39	27
		6.10	2120	47.0	28.8 - 35.3 - 49.9	57.4	26.1 - 31.9 - 45.1	76.7	23.4 - 28.9 - 40.8	**36**	55	52	51	48	45	33
914 x 457	0.418	2.59	1016	8.5	14.2 - 21.3 - 34.5	10.4	12.2 - 18.4 - 31.2	13.9	10.1 - 15.8 - 28.3	**11**	33	31	28	20	13	-
		3.47	1360	15.2	19.0 - 28.2 - 39.9	18.6	16.4 - 24.6 - 36.1	24.8	14.1 - 21.2 - 32.7	**20**	41	38	36	30	24	11
		4.34	1704	23.8	23.8 - 31.6 - 44.7	29.1	20.5 - 28.6 - 40.5	39.0	17.7 - 25.9 - 36.6	**27**	47	44	42	38	33	20
		5.22	2048	34.4	28.3 - 34.7 - 49.0	42.1	24.7 - 31.4 - 44.4	56.3	21.3 - 28.4 - 40.1	**32**	52	49	48	44	40	27
		6.10	2391	47.0	30.6 - 37.4 - 53.0	57.4	27.7 - 33.9 - 47.9	76.7	24.8 - 30.7 - 43.4	**37**	56	53	52	49	46	33
1118 x 457	0.511	2.49	1198	7.8	15.1 - 22.7 - 37.5	9.6	13.0 - 19.6 - 33.9	12.8	10.3 - 16.9 - 30.7	**11**	33	31	27	20	12	-
		3.39	1632	14.5	20.6 - 30.9 - 43.7	17.8	17.8 - 26.6 - 39.6	23.7	15.3 - 23.0 - 35.8	**20**	41	39	36	30	24	11
		4.29	2066	23.3	26.1 - 34.8 - 49.2	28.4	22.5 - 31.5 - 44.6	38.0	19.4 - 28.5 - 40.3	**27**	47	45	43	38	33	20
		5.19	2500	34.1	31.3 - 38.3 - 54.1	41.7	27.2 - 34.7 - 49.0	55.7	23.5 - 31.4 - 44.3	**33**	52	50	48	44	41	28
		6.10	2934	47.0	33.9 - 41.5 - 58.7	57.4	30.7 - 37.5 - 53.1	76.7	27.5 - 34.0 - 48.0	**38**	57	54	53	50	47	34
1219 x 457	0.557	2.49	1309	7.8	15.8 - 23.7 - 39.2	9.6	13.6 - 20.4 - 35.5	12.8	10.8 - 17.6 - 32.1	**11**	33	31	28	20	12	-
		3.39	1783	14.5	21.5 - 32.3 - 45.7	17.8	18.6 - 27.8 - 41.4	23.7	16.0 - 24.0 - 37.4	**21**	41	39	37	31	24	11
		4.29	2257	23.3	27.2 - 36.4 - 51.4	28.4	23.5 - 32.9 - 46.6	38.0	20.3 - 29.8 - 42.1	**28**	48	45	43	38	33	21
		5.19	2731	34.1	32.7 - 40.0 - 56.6	41.7	28.4 - 36.2 - 51.2	55.7	24.5 - 32.8 - 46.3	**33**	53	50	49	45	41	28
		6.10	3206	47.0	35.4 - 43.4 - 61.3	57.4	32.0 - 39.2 - 55.5	76.7	28.8 - 35.5 - 50.2	**38**	57	54	53	50	47	34
914 x 660	0.604	2.44	1400	7.5	16.2 - 24.3 - 40.5	9.2	13.7 - 20.9 - 36.7	12.3	10.8 - 18.0 - 33.2	**11**	33	31	28	20	12	-
		3.35	1925	14.2	22.2 - 33.4 - 47.5	17.4	19.2 - 28.8 - 43.0	23.2	16.5 - 24.8 - 38.9	**21**	42	39	37	31	24	11
		4.27	2450	23.0	28.3 - 37.9 - 53.6	28.1	24.4 - 34.3 - 48.5	37.6	21.0 - 31.0 - 43.9	**28**	48	45	43	39	34	21
		5.18	2975	33.9	34.1 - 41.8 - 59.1	41.5	29.6 - 37.8 - 53.5	55.4	25.6 - 34.2 - 48.4	**34**	53	50	49	45	41	28
		6.10	3501	47.0	37.0 - 45.3 - 64.1	57.4	33.5 - 41.0 - 58.0	76.7	30.1 - 37.1 - 52.5	**38**	57	55	54	50	47	35
711 x 914	0.650	2.44	1511	7.5	16.8 - 25.2 - 42.1	9.2	14.2 - 21.7 - 38.1	12.3	11.3 - 18.7 - 34.5	**11**	33	31	28	20	12	-
		3.35	2078	14.2	23.1 - 34.7 - 49.4	17.4	19.9 - 29.9 - 44.7	23.2	17.2 - 25.8 - 40.4	**21**	42	39	37	31	25	12
		4.27	2644	23.0	29.4 - 39.4 - 55.7	28.1	25.4 - 35.6 - 50.4	37.6	21.9 - 32.2 - 45.6	**28**	48	46	44	39	34	21
		5.18	3211	33.9	35.4 - 43.4 - 61.4	41.5	30.8 - 39.3 - 55.5	55.4	26.5 - 35.5 - 50.3	**34**	53	51	49	45	42	29
		6.10	3778	47.0	38.4 - 47.1 - 66.6	57.4	34.8 - 42.6 - 60.2	76.7	31.2 - 38.5 - 54.5	**39**	58	55	54	51	48	35
914 x 762	0.697	2.39	1588	7.2	17.0 - 25.6 - 43.2	8.8	14.1 - 22.0 - 39.1	11.8	11.2 - 19.0 - 35.3	**11**	33	31	28	20	12	-
		3.31	2205	13.9	23.7 - 35.5 - 50.8	17.0	20.4 - 30.6 - 46.0	22.7	17.6 - 26.4 - 41.6	**21**	42	39	37	31	24	12
		4.24	2822	22.7	30.3 - 40.7 - 57.5	27.8	26.1 - 36.8 - 52.1	37.2	22.5 - 33.3 - 47.1	**28**	48	46	44	39	34	21
		5.17	3438	33.8	36.7 - 44.9 - 63.5	41.2	31.8 - 40.6 - 57.5	55.2	27.4 - 36.8 - 52.0	**34**	54	51	50	46	42	29
		6.10	4055	47.0	39.8 - 48.8 - 69.0	57.4	36.0 - 44.1 - 62.4	76.7	32.4 - 39.9 - 56.5	**39**	58	55	54	51	48	35

NOTES: Throw values are given for terminal velocities of 0.75, 0.50, and 0.25 m/s. Throw values are given for isothermal conditions. 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, ISO Standard 5219, and ISO Standard 3741. See Krueger's selection program for performance data not shown, including octave band data.

KRUEGER
Excellence in Air Distribution

680, 5680, 6880, 56880 Performance Data: Horizontal Throw

METRIC DATA: 680, 5680, 6880, 56880, 3" BLADE SPACING (NO DAMPER)

Nom Duct	Duct Area	Neck Vel	Air Flow	0°		15°		30°		NC	Octave Band, dB					
				Pt	Throw	Pt	Throw	Pt	Throw		2	3	4	5	6	7
mm	m²	m/s	L/s	Pa	m	Pa	m	Pa	m							
813 x 914	0.743	2.39	1697	7.2	17.6 - 26.4 - 44.6	8.8	14.6 - 22.8 - 40.4	11.8	11.6 - 19.6 - 36.5	11	33	31	28	20	12	-
		3.31	2356	13.9	24.5 - 36.7 - 52.6	17.0	21.1 - 31.6 - 47.6	22.7	18.2 - 27.3 - 43.0	21	42	40	37	31	25	12
		4.24	3015	22.7	31.3 - 42.0 - 59.5	27.8	27.0 - 38.1 - 53.8	37.2	23.3 - 34.4 - 48.7	28	49	46	44	39	34	22
		5.17	3673	33.8	37.9 - 46.4 - 65.6	41.2	32.9 - 42.0 - 59.4	55.2	28.4 - 38.0 - 53.8	34	54	51	50	46	42	29
		6.10	4332	47.0	41.2 - 50.4 - 71.3	57.4	37.2 - 45.6 - 64.5	76.7	33.4 - 41.3 - 58.4	39	58	56	55	51	48	36
914 x 864	0.790	2.34	1767	6.9	17.8 - 26.7 - 45.5	8.4	14.4 - 23.0 - 41.2	11.3	11.4 - 19.8 - 37.3	11	33	31	28	20	11	-
		3.28	2478	13.6	24.9 - 37.4 - 53.9	16.6	21.5 - 32.3 - 48.8	22.2	18.5 - 27.8 - 44.1	21	42	40	37	31	25	12
		4.22	3188	22.5	32.1 - 43.2 - 61.1	27.4	27.7 - 39.1 - 55.3	36.7	23.9 - 35.4 - 50.1	29	49	46	44	39	34	22
		5.16	3899	33.6	39.0 - 47.8 - 67.6	41.0	33.8 - 43.3 - 61.2	54.9	29.2 - 39.2 - 55.4	35	54	51	50	46	42	29
		6.10	4610	47.0	42.4 - 52.0 - 73.5	57.4	38.4 - 47.1 - 66.5	76.7	34.5 - 42.6 - 60.2	40	59	56	55	52	49	36
914 x 914	0.836	2.34	1873	6.9	18.3 - 27.5 - 46.9	8.4	14.9 - 23.7 - 42.4	11.3	11.8 - 20.4 - 38.4	11	33	31	28	20	12	-
		3.28	2627	13.6	25.7 - 38.5 - 55.5	16.6	22.1 - 33.2 - 50.2	22.2	19.1 - 28.6 - 45.5	21	42	40	37	31	25	12
		4.22	3380	22.5	33.0 - 44.5 - 63.0	27.4	28.5 - 40.3 - 57.0	36.7	24.6 - 36.5 - 51.6	29	49	47	45	40	35	22
		5.16	4133	33.6	40.2 - 49.2 - 69.6	41.0	34.8 - 44.6 - 63.0	54.9	30.0 - 40.3 - 57.0	35	54	52	50	46	42	30
		6.10	4887	47.0	43.7 - 53.5 - 75.7	57.4	39.6 - 48.4 - 68.5	76.7	35.5 - 43.8 - 62.0	40	59	56	55	52	49	36
914 x 965	0.883	2.34	1980	6.9	18.8 - 28.2 - 48.2	8.4	15.3 - 24.3 - 43.6	11.3	12.1 - 21.0 - 39.5	11	34	31	28	20	12	-
		3.28	2776	13.6	26.4 - 39.6 - 57.1	16.6	22.8 - 34.1 - 51.6	22.2	19.6 - 29.4 - 46.7	21	43	40	38	32	25	12
		4.22	3572	22.5	34.0 - 45.8 - 64.7	27.4	29.3 - 41.4 - 58.6	36.7	25.3 - 37.5 - 53.0	29	49	47	45	40	35	22
		5.16	4368	33.6	41.3 - 50.6 - 71.6	41.0	35.8 - 45.8 - 64.8	54.9	30.9 - 41.4 - 58.6	35	55	52	51	47	43	30
		6.10	5164	47.0	44.9 - 55.0 - 77.8	57.4	40.7 - 49.8 - 70.4	76.7	36.5 - 45.1 - 63.7	40	59	56	55	52	49	36
914 x 1067	0.975	2.29	2145	6.6	19.0 - 29.1 - 50.1	8.1	15.4 - 25.1 - 45.4	10.8	12.2 - 21.6 - 41.1	11	33	31	28	20	12	-
		3.24	3038	13.3	27.5 - 41.2 - 59.7	16.2	23.7 - 35.5 - 54.0	21.7	20.4 - 30.6 - 48.9	22	43	40	38	32	25	12
		4.19	3932	22.2	35.5 - 48.0 - 67.9	27.1	30.6 - 43.5 - 61.5	36.3	26.4 - 39.3 - 55.6	29	50	47	45	40	35	22
		5.14	4825	33.4	43.4 - 53.2 - 75.2	40.8	37.6 - 48.1 - 68.1	54.6	32.4 - 43.6 - 61.6	35	55	52	51	47	43	30
		6.10	5719	47.0	47.3 - 57.9 - 81.9	57.4	42.8 - 52.4 - 74.1	76.7	38.4 - 47.4 - 67.1	40	60	57	56	53	50	37
1168 x 914	1.068	2.24	2300	6.3	19.1 - 29.8 - 51.9	7.7	15.4 - 25.7 - 47.0	10.3	12.2 - 22.1 - 42.5	11	33	31	28	20	11	-
		3.20	3293	12.9	28.4 - 42.6 - 62.1	15.8	24.5 - 36.8 - 56.2	21.2	21.1 - 31.7 - 50.9	22	43	40	38	32	25	12
		4.17	4287	21.9	37.0 - 50.1 - 70.9	26.8	31.9 - 45.4 - 64.2	35.8	27.5 - 41.1 - 58.1	29	50	47	45	40	35	22
		5.13	5280	33.3	45.4 - 55.6 - 78.7	40.6	39.3 - 50.4 - 71.2	54.4	33.9 - 45.6 - 64.4	36	55	53	51	47	43	31
		6.10	6273	47.0	49.5 - 60.6 - 85.8	57.4	44.8 - 54.9 - 77.6	76.7	40.2 - 49.7 - 70.2	41	60	57	56	53	50	37
1219 x 914	1.115	2.24	2402	6.3	19.5 - 30.4 - 53.1	7.7	15.7 - 26.2 - 48.0	10.3	12.5 - 22.6 - 43.5	11	33	31	28	20	11	-
		3.20	3439	12.9	29.0 - 43.6 - 63.5	15.8	25.0 - 37.6 - 57.5	21.2	21.6 - 32.4 - 52.0	22	43	41	38	32	25	12
		4.17	4476	21.9	37.8 - 51.2 - 72.5	26.8	32.6 - 46.4 - 65.6	35.8	28.1 - 42.0 - 59.3	30	50	47	45	41	35	23
		5.13	5513	33.3	46.4 - 56.9 - 80.4	40.6	40.1 - 51.5 - 72.8	54.4	34.6 - 46.6 - 65.8	36	56	53	51	47	44	31
		6.10	6550	47.0	50.6 - 62.0 - 87.6	57.4	45.8 - 56.1 - 79.3	76.7	41.1 - 50.8 - 71.8	41	60	57	56	53	50	38
1219 x 1016	1.239	2.24	2674	6.3	20.6 - 32.1 - 56.0	7.7	16.6 - 27.7 - 50.7	10.3	13.2 - 23.9 - 45.9	11	34	32	28	20	12	-
		3.20	3829	12.9	30.6 - 46.0 - 67.0	15.8	26.4 - 39.6 - 60.6	21.2	22.8 - 34.2 - 54.9	22	43	41	38	32	26	13
		4.17	4984	21.9	39.9 - 54.1 - 76.5	26.8	34.4 - 48.9 - 69.2	35.8	29.7 - 44.3 - 62.6	30	50	48	46	41	36	23
		5.13	6139	33.3	49.0 - 60.0 - 84.8	40.6	42.4 - 54.3 - 76.8	54.4	36.5 - 49.1 - 69.5	36	56	53	52	48	44	31
		6.10	7294	47.0	53.4 - 65.4 - 92.5	57.4	48.3 - 59.2 - 83.7	76.7	43.4 - 53.6 - 75.7	41	61	58	57	54	51	38
1219 x 1118	1.363	2.18	2880	6.0	20.6 - 32.9 - 58.1	7.4	16.7 - 28.4 - 52.6	9.9	13.2 - 24.5 - 47.6	11	34	32	28	20	11	-
		3.16	4169	12.6	31.8 - 47.7 - 69.9	15.4	27.4 - 41.1 - 63.3	20.6	23.6 - 35.4 - 57.3	22	44	41	39	32	26	13
		4.14	5459	21.7	41.6 - 56.6 - 80.0	26.5	35.9 - 51.2 - 72.4	35.4	30.9 - 46.3 - 65.5	30	51	48	46	41	36	23
		5.12	6748	33.1	51.4 - 62.9 - 89.0	40.4	44.4 - 56.9 - 80.5	54.1	38.2 - 51.5 - 72.8	37	56	54	52	48	44	32
		6.10	8037	47.0	56.1 - 68.6 - 97.1	57.4	50.7 - 62.1 - 87.9	76.7	45.5 - 56.2 - 79.5	42	61	58	57	54	51	38
1194 x 1194	1.425	2.18	3015	6.0	21.1 - 33.7 - 59.5	7.4	17.0 - 29.1 - 53.8	9.9	13.5 - 25.0 - 48.7	11	34	32	28	20	11	-
		3.16	4364	12.6	32.5 - 48.8 - 71.5	15.4	28.0 - 42.1 - 64.7	20.6	24.2 - 36.3 - 58.6	22	44	41	39	32	26	13
		4.14	5714	21.7	42.6 - 57.9 - 81.9	26.5	36.7 - 52.4 - 74.1	35.4	31.7 - 47.4 - 67.0	31	51	48	46	41	36	23
		5.12	7063	33.1	52.5 - 64.4 - 91.0	40.4	45.4 - 58.2 - 82.4	54.1	39.1 - 52.7 - 74.5	37	57	54	52	48	45	32
		6.10	8413	47.0	57.3 - 70.2 - 99.3	57.4	51.9 - 63.6 - 89.9	76.7	46.6 - 57.5 - 81.3	42	61	58	57	54	51	39
1219 x 1219	1.486	2.13	3073	5.8	20.6 - 33.6 - 60.0	7.0	16.6 - 29.0 - 54.3	9.4	13.1 - 25.0 - 49.2	11	34	31	28	20	11	-
		3.12	4500	12.3	32.8 - 49.2 - 72.6	15.1	28.3 - 42.4 - 65.7	20.2	24.4 - 36.6 - 59.5	22	44	41	39	32	26	13
		4.11	5927	21.4	43.2 - 59.0 - 83.4	26.1	37.3 - 53.4 - 75.5	35.0	32.1 - 48.2 - 68.3	31	51	48	46	41	36	23
		5.11	7354	32.9	53.6 - 65.7 - 92.9	40.2	46.2 - 59.4 - 84.0	53.8	39.9 - 53.8 - 76.0	37	57	54	53	49	45	32
		6.10	8780	47.0	58.6 - 71.8 - 101.5	57.4	53.0 - 64.9 - 91.8	76.7	47.6 - 58.8 - 83.1	42	61	59	58	54	51	39

NOTES: Throw values are given for terminal velocities of 0.75, 0.50, and 0.25 m/s. Throw values are given for isothermal conditions. 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, ISO Standard 5219, and ISO Standard 3741. See Krueger's selection program for performance data not shown, including octave band data.