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

IP 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							
in	ft²	FPM	CFM	"WG	ft	"WG	ft	"WG	ft		2	3	4	5	6	7
6" x 6"	0.250	740	142	.080	14 - 21 - 29	.102	12 - 19 - 26	.147	11 - 16 - 24	**11**	31	29	27	21	16	-
		905	173	.120	18 - 23 - 32	.153	15 - 21 - 29	.220	13 - 19 - 26	**17**	37	34	32	28	23	11
		1070	205	.167	20 - 25 - 35	.214	18 - 22 - 32	.308	16 - 20 - 29	**22**	41	39	37	34	30	17
		1235	236	.223	22 - 27 - 38	.285	20 - 24 - 34	.410	18 - 22 - 31	**27**	45	42	41	38	36	23
		1400	268	.286	23 - 28 - 40	.367	21 - 26 - 36	.527	19 - 23 - 33	**31**	48	46	45	42	40	28
10" x 6"	0.420	675	228	.067	17 - 26 - 37	.085	15 - 23 - 33	.123	13 - 19 - 30	**11**	31	29	27	21	15	-
		856	289	.107	22 - 29 - 42	.137	19 - 27 - 38	.197	16 - 24 - 34	**18**	38	35	33	29	24	11
		1038	350	.157	26 - 32 - 46	.201	23 - 29 - 41	.290	20 - 27 - 37	**24**	43	40	39	35	31	18
		1219	411	.217	29 - 35 - 50	.278	26 - 32 - 45	.400	23 - 29 - 41	**29**	47	44	43	40	37	25
		1400	472	.286	31 - 38 - 53	.367	28 - 34 - 48	.527	25 - 31 - 44	**33**	51	48	47	45	43	30
12" x 6"	0.500	650	267	.062	19 - 28 - 40	.079	16 - 24 - 36	.114	14 - 21 - 33	**11**	31	29	26	20	14	-
		838	344	.102	24 - 32 - 45	.131	21 - 29 - 41	.189	18 - 26 - 37	**18**	38	36	34	29	24	11
		1025	420	.153	29 - 35 - 50	.196	25 - 32 - 45	.283	22 - 29 - 41	**24**	43	41	39	35	32	19
		1213	497	.215	32 - 39 - 55	.275	29 - 35 - 49	.395	26 - 32 - 45	**29**	48	45	44	41	38	25
		1400	574	.286	34 - 41 - 59	.367	31 - 38 - 53	.527	28 - 34 - 48	**34**	52	49	48	46	44	31
18" x 6"	0.750	610	384	.054	22 - 32 - 48	.070	19 - 28 - 43	.100	16 - 24 - 39	**11**	31	29	26	20	13	-
		808	508	.095	29 - 39 - 55	.122	25 - 35 - 50	.175	21 - 32 - 45	**19**	39	36	34	29	24	11
		1005	632	.147	36 - 44 - 62	.189	31 - 39 - 56	.272	26 - 36 - 50	**26**	45	42	41	37	33	20
		1203	756	.211	39 - 48 - 67	.270	35 - 43 - 61	.389	32 - 39 - 55	**31**	50	47	46	43	40	27
		1400	880	.286	42 - 51 - 73	.367	38 - 46 - 66	.527	34 - 42 - 59	**35**	54	51	50	48	46	33
18" x 10"	1.250	570	632	.047	27 - 40 - 62	.061	23 - 35 - 56	.087	20 - 30 - 50	**11**	32	30	27	20	13	-
		778	862	.088	36 - 51 - 72	.113	31 - 46 - 65	.163	27 - 41 - 59	**20**	40	38	36	31	25	12
		985	1091	.142	46 - 57 - 81	.181	40 - 52 - 73	.261	34 - 47 - 66	**27**	47	44	43	38	34	22
		1193	1321	.208	51 - 63 - 89	.266	46 - 57 - 81	.383	42 - 52 - 73	**33**	52	49	48	45	42	29
		1400	1551	.286	56 - 68 - 96	.367	50 - 62 - 87	.527	46 - 56 - 79	**38**	56	53	53	50	48	35
27" x 8"	1.500	550	727	.044	28 - 42 - 66	.057	24 - 36 - 60	.081	21 - 31 - 54	**11**	32	30	27	20	12	-
		763	1008	.085	39 - 55 - 78	.109	34 - 50 - 70	.156	29 - 44 - 64	**20**	41	38	36	31	25	12
		975	1289	.139	50 - 62 - 88	.178	43 - 56 - 80	.256	37 - 51 - 72	**28**	47	45	43	39	35	22
		1188	1569	.206	56 - 69 - 97	.264	51 - 62 - 88	.379	45 - 56 - 79	**34**	52	50	49	45	42	30
		1400	1850	.286	61 - 74 - 105	.367	55 - 67 - 95	.527	50 - 61 - 86	**39**	57	54	53	51	49	36
16" x 16"	1.778	540	872	.043	31 - 46 - 72	.055	26 - 40 - 65	.078	23 - 34 - 59	**11**	32	30	27	20	13	-
		755	1219	.083	43 - 60 - 85	.107	37 - 55 - 77	.153	32 - 48 - 70	**21**	41	39	37	31	26	13
		970	1567	.137	55 - 68 - 97	.176	47 - 62 - 88	.253	41 - 56 - 79	**28**	48	45	44	40	35	23
		1185	1914	.205	62 - 76 - 107	.263	56 - 69 - 97	.378	50 - 62 - 88	**34**	53	50	49	46	43	30
		1400	2261	.286	67 - 82 - 116	.367	61 - 74 - 105	.527	55 - 67 - 95	**39**	58	55	54	52	50	37
18" x 18"	2.250	530	1095	.041	34 - 51 - 81	.053	29 - 44 - 73	.076	25 - 38 - 66	**11**	33	31	28	21	13	-
		748	1545	.082	48 - 68 - 96	.104	41 - 62 - 87	.150	36 - 53 - 79	**22**	42	40	37	32	26	13
		965	1994	.136	62 - 77 - 109	.174	53 - 70 - 99	.251	46 - 63 - 89	**29**	49	46	45	40	36	24
		1183	2444	.204	70 - 86 - 121	.261	63 - 77 - 109	.376	56 - 70 - 99	**35**	54	51	50	47	44	31
		1400	2893	.286	76 - 93 - 132	.367	69 - 84 - 119	.527	62 - 76 - 108	**40**	59	56	55	53	51	38
30" x 12"	2.500	520	1188	.039	35 - 53 - 84	.051	30 - 45 - 76	.073	25 - 39 - 69	**11**	33	31	27	20	13	-
		740	1691	.080	50 - 71 - 101	.102	43 - 64 - 91	.147	37 - 56 - 82	**22**	42	40	38	32	26	14
		960	2194	.135	65 - 81 - 115	.172	56 - 73 - 104	.248	48 - 66 - 94	**30**	49	47	45	41	37	24
		1180	2696	.203	73 - 90 - 127	.260	66 - 81 - 115	.375	59 - 74 - 104	**36**	55	52	51	48	45	32
		1400	3199	.286	80 - 98 - 138	.367	72 - 89 - 125	.527	65 - 80 - 113	**41**	59	56	56	53	51	39
20" x 20"	2.778	510	1312	.038	36 - 55 - 89	.049	31 - 47 - 80	.070	26 - 41 - 73	**11**	33	31	27	20	12	-
		733	1885	.078	52 - 75 - 106	.100	45 - 68 - 96	.144	39 - 58 - 87	**22**	42	40	38	32	27	14
		955	2458	.133	68 - 86 - 121	.171	59 - 78 - 110	.245	51 - 70 - 99	**30**	50	47	45	41	37	24
		1178	3030	.202	78 - 95 - 135	.259	70 - 86 - 122	.373	63 - 78 - 110	**36**	55	52	51	48	45	32
		1400	3603	.286	85 - 104 - 147	.367	77 - 94 - 133	.527	69 - 85 - 120	**41**	60	57	56	54	52	39
30" x 16"	3.333	500	1549	.037	39 - 59 - 96	.047	34 - 51 - 87	.067	27 - 44 - 79	**11**	33	31	28	20	12	-
		700	2168	.072	55 - 81 - 114	.092	47 - 71 - 103	.132	41 - 61 - 93	**21**	42	40	37	32	26	13
		900	2788	.118	71 - 91 - 129	.151	61 - 83 - 117	.218	53 - 75 - 106	**29**	49	46	44	40	35	23
		1100	3407	.177	82 - 101 - 143	.226	74 - 91 - 129	.326	64 - 83 - 117	**35**	54	51	50	47	43	30
		1300	4027	.247	90 - 110 - 155	.316	81 - 99 - 141	.455	73 - 90 - 127	**40**	59	56	55	52	50	37

NOTES: Throw values are given for terminal velocities of 150, 100, and 50 FPM. 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.

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

IP 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							
in	ft²	FPM	CFM	"WG	ft	"WG	ft	"WG	ft		2	3	4	5	6	7
36" x 14"	3.500	490	1589	.035	39 - 59 - 98	.045	34 - 51 - 88	.065	27 - 44 - 80	**11**	33	31	27	20	12	-
		693	2246	.070	56 - 82 - 116	.090	48 - 72 - 105	.129	41 - 62 - 95	**21**	42	40	37	31	25	12
		895	2903	.117	72 - 93 - 132	.150	62 - 84 - 119	.215	53 - 76 - 108	**29**	49	46	44	40	35	23
		1098	3560	.176	84 - 103 - 146	.225	76 - 93 - 132	.324	66 - 85 - 120	**35**	54	52	50	47	43	31
		1300	4217	.247	92 - 112 - 159	.316	83 - 102 - 144	.455	75 - 92 - 130	**40**	59	56	55	52	50	37
30" x 18"	3.750	490	1717	.035	41 - 61 - 101	.045	35 - 53 - 92	.065	28 - 46 - 83	**11**	33	31	28	20	12	-
		693	2426	.070	58 - 85 - 121	.090	50 - 75 - 109	.129	43 - 64 - 99	**22**	42	40	37	32	26	13
		895	3136	.117	75 - 97 - 137	.150	64 - 88 - 124	.215	56 - 79 - 112	**29**	49	47	45	40	36	23
		1098	3846	.176	88 - 107 - 152	.225	79 - 97 - 137	.324	68 - 88 - 124	**35**	55	52	51	47	44	31
		1300	4555	.247	95 - 117 - 165	.316	86 - 106 - 149	.455	78 - 96 - 135	**40**	59	56	55	53	50	37
36" x 18"	4.500	480	2027	.034	44 - 66 - 110	.043	37 - 57 - 100	.062	29 - 49 - 90	**11**	33	31	28	20	12	-
		685	2893	.069	63 - 93 - 132	.088	54 - 81 - 119	.126	47 - 70 - 108	**22**	43	40	38	32	26	13
		890	3758	.116	82 - 106 - 150	.148	70 - 96 - 136	.213	61 - 87 - 123	**30**	50	47	45	41	36	23
		1095	4624	.175	96 - 118 - 166	.224	87 - 106 - 151	.323	75 - 96 - 136	**36**	55	53	51	48	44	32
		1300	5489	.247	105 - 128 - 181	.316	95 - 116 - 164	.455	86 - 105 - 148	**41**	60	57	56	53	51	38
42" x 18"	5.250	470	2322	.032	47 - 70 - 118	.041	39 - 60 - 107	.059	31 - 52 - 97	**11**	34	31	28	20	12	-
		653	3224	.062	65 - 97 - 139	.080	56 - 84 - 126	.115	48 - 72 - 114	**21**	42	40	37	31	25	12
		835	4126	.102	83 - 111 - 157	.130	71 - 101 - 142	.188	62 - 91 - 129	**29**	49	46	44	39	34	22
		1018	5028	.151	100 - 123 - 174	.194	87 - 111 - 157	.279	75 - 100 - 142	**35**	54	51	50	46	42	29
		1200	5930	.210	109 - 133 - 188	.269	98 - 121 - 171	.387	88 - 109 - 154	**39**	58	56	55	51	49	36
30" x 30"	6.250	450	2674	.030	48 - 73 - 127	.038	39 - 63 - 115	.054	31 - 55 - 104	**11**	33	31	28	20	11	-
		638	3788	.059	69 - 104 - 151	.076	60 - 90 - 136	.109	52 - 77 - 123	**21**	42	40	37	31	25	12
		825	4902	.099	90 - 121 - 171	.127	77 - 110 - 155	.183	67 - 99 - 140	**29**	49	47	45	40	35	22
		1013	6016	.150	110 - 134 - 190	.192	95 - 121 - 172	.276	82 - 110 - 155	**35**	55	52	51	47	43	30
		1200	7130	.210	119 - 146 - 207	.269	108 - 132 - 187	.387	97 - 120 - 169	**40**	59	56	55	52	49	37
36" x 30"	7.500	440	3150	.028	50 - 79 - 137	.036	41 - 68 - 124	.052	32 - 59 - 112	**11**	33	31	28	20	11	-
		630	4511	.058	75 - 113 - 164	.074	65 - 97 - 149	.107	56 - 84 - 135	**22**	43	41	38	32	25	12
		820	5871	.098	98 - 133 - 188	.126	84 - 120 - 170	.181	73 - 109 - 154	**30**	50	47	45	40	35	23
		1010	7232	.149	120 - 147 - 208	.191	104 - 133 - 188	.274	90 - 121 - 170	**36**	55	53	51	47	43	31
		1200	8592	.210	131 - 160 - 227	.269	119 - 145 - 205	.387	106 - 131 - 186	**41**	60	57	56	53	50	37
42" x 30"	8.750	430	3603	.027	52 - 83 - 147	.035	42 - 72 - 133	.050	33 - 62 - 120	**11**	33	31	28	20	11	-
		598	5006	.052	77 - 116 - 173	.067	66 - 100 - 157	.096	57 - 86 - 142	**21**	42	40	37	31	24	11
		765	6410	.085	99 - 139 - 196	.109	85 - 125 - 177	.157	73 - 110 - 160	**28**	49	46	44	39	33	20
		933	7813	.127	120 - 153 - 216	.163	104 - 138 - 196	.234	89 - 125 - 177	**34**	54	51	50	45	41	28
		1100	9217	.177	136 - 166 - 235	.226	122 - 150 - 213	.326	106 - 136 - 192	**39**	58	56	54	51	47	35
48" x 30"	10.000	420	4031	.026	53 - 87 - 155	.033	43 - 75 - 141	.047	34 - 65 - 127	**11**	33	31	28	20	11	-
		590	5663	.051	81 - 122 - 184	.065	70 - 105 - 167	.094	61 - 91 - 151	**21**	42	40	37	31	24	11
		760	7294	.084	105 - 148 - 209	.108	91 - 134 - 189	.155	78 - 117 - 171	**29**	49	47	45	39	34	21
		930	8926	.126	128 - 163 - 231	.162	111 - 148 - 209	.233	95 - 134 - 189	**35**	55	52	50	46	42	29
		1100	10557	.177	145 - 178 - 251	.226	131 - 161 - 228	.326	113 - 146 - 206	**40**	59	56	55	51	48	35
48" x 36"	12.000	410	4742	.025	56 - 93 - 169	.031	45 - 80 - 153	.045	36 - 69 - 138	**11**	34	32	28	20	-	-
		583	6737	.050	88 - 132 - 201	.063	76 - 114 - 182	.091	66 - 98 - 165	**21**	43	41	38	31	24	11
		755	8733	.083	114 - 162 - 229	.107	99 - 146 - 207	.153	85 - 128 - 187	**29**	50	47	45	40	34	21
		928	10728	.126	141 - 179 - 253	.161	121 - 162 - 229	.231	105 - 147 - 208	**35**	55	53	51	47	42	29
		1100	12723	.177	159 - 195 - 276	.226	144 - 177 - 250	.326	124 - 160 - 226	**40**	60	57	56	52	49	36
46" x 46"	14.694	400	5688	.023	59 - 101 - 185	.030	47 - 87 - 167	.043	38 - 75 - 150	**11**	34	32	28	20	-	-
		575	8176	.048	97 - 145 - 221	.062	83 - 125 - 200	.089	72 - 108 - 181	**22**	43	41	38	32	25	12
		750	10664	.082	126 - 179 - 253	.105	109 - 162 - 229	.151	94 - 141 - 207	**30**	51	48	46	40	35	22
		925	13153	.125	156 - 198 - 281	.160	134 - 180 - 254	.230	116 - 163 - 230	**36**	56	54	52	47	43	30
		1100	15641	.177	177 - 216 - 306	.226	159 - 196 - 277	.326	137 - 177 - 251	**41**	61	58	57	53	50	37
48" x 48"	16.000	400	6202	.023	61 - 105 - 193	.030	50 - 91 - 174	.043	39 - 78 - 157	**11**	34	32	28	20	11	-
		575	8915	.048	101 - 151 - 231	.062	87 - 131 - 209	.089	75 - 113 - 189	**22**	44	42	39	32	25	12
		750	11628	.082	132 - 187 - 264	.105	114 - 169 - 239	.151	98 - 147 - 216	**30**	51	48	46	41	35	22
		925	14341	.125	162 - 207 - 293	.160	140 - 188 - 265	.230	121 - 170 - 240	**36**	56	54	52	48	43	31
		1100	17054	.177	185 - 226 - 320	.226	167 - 205 - 289	.326	144 - 185 - 262	**42**	61	58	57	54	50	37

NOTES: Throw values are given for terminal velocities of 150, 100, and 50 FPM. 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.

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

IP DATA: 680, 5680, 6880, 56880, 2" 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							
in	ft²	FPM	CFM	"WG	ft	"WG	ft	"WG	ft		2	3	4	5	6	7
6" x 6"	0.250	770	147	.082	15 - 21 - 30	.103	13 - 19 - 27	.141	11 - 17 - 24	**11**	31	28	26	21	15	-
		953	182	.125	19 - 23 - 33	.157	16 - 21 - 30	.216	14 - 19 - 27	**17**	36	34	32	28	23	11
		1135	217	.178	21 - 26 - 36	.223	19 - 23 - 33	.307	16 - 21 - 30	**22**	41	38	37	34	30	18
		1318	252	.240	22 - 27 - 39	.300	20 - 25 - 35	.413	18 - 23 - 32	**27**	45	42	41	38	36	23
		1500	287	.311	24 - 29 - 41	.389	22 - 27 - 38	.536	20 - 24 - 34	**31**	48	45	45	43	41	28
10" x 6"	0.420	730	246	.074	19 - 27 - 38	.092	16 - 24 - 35	.127	14 - 21 - 31	**11**	32	29	27	21	16	-
		923	311	.117	24 - 31 - 43	.147	21 - 28 - 39	.203	18 - 25 - 35	**18**	38	35	33	29	25	12
		1115	376	.172	27 - 34 - 47	.215	25 - 30 - 43	.296	21 - 27 - 39	**24**	43	40	39	35	32	19
		1308	441	.236	30 - 36 - 51	.296	27 - 33 - 47	.407	24 - 30 - 42	**29**	47	44	43	41	38	26
		1500	506	.311	32 - 39 - 55	.389	29 - 35 - 50	.536	26 - 32 - 45	**33**	51	48	47	45	44	31
12" x 6"	0.500	700	287	.068	20 - 29 - 41	.085	17 - 26 - 38	.117	15 - 22 - 34	**11**	31	29	26	21	15	-
		900	369	.112	26 - 33 - 47	.140	22 - 30 - 43	.193	19 - 27 - 39	**19**	38	35	34	29	25	12
		1100	451	.167	30 - 37 - 52	.209	27 - 33 - 47	.288	23 - 30 - 43	**25**	43	41	39	36	32	20
		1300	533	.233	33 - 40 - 57	.292	30 - 36 - 51	.402	27 - 33 - 46	**29**	48	45	44	41	39	26
		1500	615	.311	35 - 43 - 61	.389	32 - 39 - 55	.536	29 - 35 - 50	**34**	52	49	48	46	44	32
18" x 6"	0.750	660	415	.060	23 - 35 - 50	.075	20 - 30 - 45	.104	17 - 26 - 41	**11**	32	29	27	21	14	-
		870	547	.104	31 - 40 - 57	.131	27 - 37 - 52	.180	23 - 33 - 47	**19**	39	36	35	30	25	12
		1080	679	.161	37 - 45 - 64	.202	33 - 41 - 58	.278	28 - 37 - 52	**26**	45	42	41	37	33	21
		1290	811	.230	40 - 49 - 70	.288	36 - 45 - 63	.396	33 - 40 - 57	**31**	49	47	46	43	40	28
		1500	943	.311	43 - 53 - 75	.389	39 - 48 - 68	.536	36 - 44 - 62	**36**	53	50	50	48	46	34
18" x 10"	1.250	610	676	.051	29 - 43 - 64	.064	25 - 37 - 58	.089	21 - 32 - 52	**11**	32	30	27	21	14	-
		833	922	.096	39 - 53 - 74	.120	34 - 48 - 67	.165	29 - 43 - 61	**20**	40	38	36	31	26	13
		1055	1169	.154	48 - 59 - 84	.193	43 - 54 - 76	.265	37 - 48 - 69	**27**	46	44	42	39	35	22
		1278	1416	.225	53 - 65 - 92	.282	48 - 59 - 83	.388	44 - 53 - 75	**33**	52	49	48	45	42	30
		1500	1662	.311	58 - 71 - 100	.389	52 - 64 - 90	.536	47 - 58 - 82	**38**	56	53	52	50	49	36
27" x 8"	1.500	600	793	.050	31 - 46 - 69	.062	27 - 40 - 62	.086	23 - 34 - 56	**11**	32	30	27	21	14	-
		825	1090	.094	42 - 57 - 81	.118	36 - 52 - 73	.162	31 - 47 - 66	**21**	41	38	36	31	26	13
		1050	1388	.152	53 - 64 - 91	.191	46 - 58 - 83	.262	40 - 53 - 75	**28**	47	44	43	39	36	23
		1275	1685	.224	58 - 71 - 100	.281	52 - 64 - 91	.387	47 - 58 - 82	**34**	52	50	49	46	43	30
		1500	1982	.311	63 - 77 - 109	.389	57 - 70 - 99	.536	52 - 63 - 89	**39**	57	54	53	51	49	37
16" x 16"	1.778	580	937	.046	33 - 49 - 75	.058	28 - 43 - 68	.080	24 - 37 - 61	**11**	32	30	27	20	13	-
		810	1308	.091	46 - 63 - 89	.114	40 - 57 - 80	.156	34 - 51 - 72	**21**	41	39	37	32	26	14
		1040	1680	.149	58 - 71 - 100	.187	51 - 64 - 91	.257	44 - 58 - 82	**29**	48	45	44	40	36	23
		1270	2051	.223	64 - 78 - 111	.279	58 - 71 - 100	.384	52 - 64 - 91	**35**	53	50	49	47	44	31
		1500	2423	.311	70 - 85 - 120	.389	63 - 77 - 109	.536	57 - 70 - 99	**39**	57	55	54	52	50	38
18" x 18"	2.250	560	1157	.043	36 - 54 - 83	.054	31 - 46 - 75	.075	27 - 40 - 68	**11**	32	30	27	20	13	-
		795	1643	.087	51 - 70 - 99	.109	44 - 63 - 90	.150	38 - 57 - 81	**22**	42	39	37	32	27	14
		1030	2128	.146	65 - 80 - 113	.184	57 - 72 - 102	.253	49 - 65 - 92	**29**	49	46	44	41	37	24
		1265	2614	.221	72 - 88 - 125	.277	65 - 80 - 113	.381	59 - 72 - 102	**35**	54	51	50	47	45	32
		1500	3100	.311	79 - 96 - 136	.389	71 - 87 - 123	.536	64 - 79 - 112	**41**	59	56	55	53	51	39
30" x 12"	2.500	560	1280	.043	38 - 57 - 88	.054	33 - 49 - 79	.075	28 - 42 - 72	**11**	33	31	28	21	14	-
		795	1817	.087	54 - 74 - 104	.109	46 - 67 - 94	.150	40 - 60 - 85	**22**	42	40	38	32	27	14
		1030	2354	.146	69 - 84 - 119	.184	60 - 76 - 107	.253	52 - 69 - 97	**30**	49	46	45	41	37	24
		1265	2891	.221	76 - 93 - 132	.277	69 - 84 - 119	.381	62 - 76 - 108	**36**	54	52	51	48	45	33
		1500	3428	.311	83 - 101 - 143	.389	75 - 92 - 130	.536	68 - 83 - 117	**41**	59	56	56	54	52	39
20" x 20"	2.778	550	1415	.042	39 - 59 - 92	.052	34 - 51 - 83	.072	29 - 44 - 75	**11**	33	31	28	21	13	-
		788	2027	.086	56 - 78 - 110	.107	49 - 71 - 100	.148	42 - 63 - 90	**22**	42	40	38	33	27	14
		1025	2638	.145	73 - 89 - 126	.182	63 - 80 - 114	.250	54 - 73 - 103	**30**	49	47	45	41	38	25
		1263	3249	.220	81 - 99 - 139	.276	73 - 89 - 126	.379	66 - 81 - 114	**36**	55	52	51	48	46	33
		1500	3860	.311	88 - 108 - 152	.389	79 - 97 - 138	.536	72 - 88 - 125	**41**	59	57	56	54	52	40
30" x 16"	3.333	530	1642	.039	42 - 62 - 99	.049	36 - 54 - 90	.067	31 - 46 - 81	**11**	33	30	27	20	13	-
		760	2354	.080	60 - 84 - 119	.100	51 - 76 - 107	.137	44 - 67 - 97	**22**	42	40	38	32	27	14
		990	3067	.135	78 - 96 - 136	.170	67 - 87 - 123	.233	58 - 78 - 111	**30**	49	47	45	41	37	24
		1220	3779	.205	87 - 106 - 150	.258	79 - 96 - 136	.354	71 - 87 - 123	**36**	55	52	51	48	45	32
		1450	4492	.290	95 - 116 - 164	.364	86 - 105 - 148	.500	78 - 95 - 134	**41**	59	57	56	54	52	39

NOTES: Throw values are given for terminal velocities of 150, 100, and 50 FPM. 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.

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

IP DATA: 680, 5680, 6880, 56880, 2" BLADE SPACING (NO DAMPER)

Nom Duct	Duct Area	Neck Vel	Air Flow	0°		15°		30°								
				Pt	Throw	Pt	Throw	Pt	Throw	NC	Octave Band, dB					
in	ft²	FPM	CFM	"WG	ft	"WG	ft	"WG	ft		2	3	4	5	6	7
36" x 14"	3.500	530	1719	.039	43 - 64 - 101	.049	37 - 55 - 92	.067	31 - 47 - 83	**11**	33	31	28	21	13	-
		760	2465	.080	61 - 86 - 122	.100	53 - 78 - 110	.137	45 - 68 - 100	**22**	42	40	38	32	27	14
		990	3211	.135	79 - 98 - 139	.170	69 - 89 - 126	.233	59 - 80 - 114	**30**	49	47	45	41	37	24
		1220	3957	.205	89 - 109 - 154	.258	80 - 99 - 139	.354	73 - 89 - 126	**36**	55	52	51	48	45	33
		1450	4703	.290	97 - 119 - 168	.364	88 - 107 - 152	.500	79 - 97 - 137	**41**	60	57	56	54	52	39
30" x 18"	3.750	520	1822	.037	43 - 65 - 104	.047	37 - 56 - 95	.064	32 - 48 - 86	**11**	33	30	27	20	13	-
		740	2593	.076	62 - 88 - 125	.095	53 - 80 - 113	.130	46 - 69 - 102	**22**	42	40	37	32	26	13
		960	3364	.127	80 - 100 - 142	.159	69 - 91 - 128	.219	60 - 82 - 116	**29**	49	46	45	41	36	24
		1180	4135	.192	91 - 111 - 157	.241	82 - 101 - 142	.331	73 - 91 - 129	**36**	54	52	51	47	44	32
		1400	4905	.270	99 - 121 - 171	.339	90 - 110 - 155	.466	81 - 99 - 140	**41**	59	56	56	53	51	38
36" x 18"	4.500	510	2154	.036	47 - 70 - 114	.045	40 - 60 - 103	.062	33 - 52 - 93	**11**	33	31	28	20	13	-
		733	3093	.074	67 - 96 - 136	.093	58 - 87 - 123	.128	50 - 75 - 111	**22**	43	40	38	32	27	14
		955	4033	.126	87 - 110 - 155	.158	75 - 99 - 141	.217	65 - 90 - 127	**30**	50	47	45	41	37	24
		1178	4972	.191	100 - 122 - 173	.240	90 - 110 - 156	.330	80 - 100 - 141	**36**	55	52	51	48	45	32
		1400	5912	.270	109 - 133 - 188	.339	98 - 120 - 170	.466	89 - 109 - 154	**41**	60	57	56	54	52	39
42" x 18"	5.250	500	2471	.035	50 - 74 - 122	.043	43 - 64 - 110	.060	35 - 55 - 100	**11**	33	31	28	20	12	-
		713	3521	.070	71 - 103 - 145	.088	61 - 91 - 131	.121	52 - 79 - 119	**22**	43	40	38	32	26	13
		925	4571	.118	92 - 117 - 165	.148	79 - 106 - 150	.204	68 - 96 - 135	**30**	49	47	45	41	36	24
		1138	5621	.179	106 - 130 - 183	.224	96 - 117 - 166	.308	84 - 106 - 150	**36**	55	52	51	48	44	32
		1350	6671	.252	115 - 141 - 200	.315	104 - 128 - 181	.434	95 - 116 - 164	**41**	60	57	56	53	51	38
30" x 30"	6.250	490	2911	.033	53 - 80 - 132	.042	46 - 69 - 120	.057	36 - 59 - 108	**11**	33	31	28	21	13	-
		693	4114	.066	75 - 111 - 157	.083	65 - 97 - 142	.114	56 - 84 - 129	**22**	43	40	38	32	26	13
		895	5318	.111	97 - 126 - 178	.139	84 - 114 - 162	.191	72 - 103 - 146	**29**	49	47	45	41	36	23
		1098	6521	.166	114 - 140 - 198	.208	103 - 126 - 179	.287	89 - 114 - 162	**36**	55	52	51	47	44	31
		1300	7724	.233	124 - 152 - 215	.292	112 - 138 - 195	.402	102 - 125 - 176	**41**	59	57	56	53	50	38
36" x 30"	7.500	470	3365	.030	56 - 84 - 142	.038	46 - 73 - 128	.053	37 - 63 - 116	**11**	33	31	28	20	12	-
		678	4851	.063	81 - 121 - 170	.079	70 - 105 - 154	.109	60 - 90 - 140	**22**	43	40	38	32	26	13
		885	6337	.108	106 - 138 - 195	.136	91 - 125 - 176	.186	78 - 113 - 160	**30**	50	47	46	41	36	24
		1093	7822	.165	125 - 153 - 216	.206	112 - 139 - 196	.284	97 - 125 - 177	**36**	56	53	52	48	44	32
		1300	9308	.233	136 - 167 - 236	.292	123 - 151 - 214	.402	112 - 137 - 193	**41**	60	57	57	54	51	39
42" x 30"	8.750	460	3854	.029	59 - 89 - 152	.037	48 - 77 - 138	.050	38 - 66 - 124	**11**	33	31	28	20	12	-
		658	5509	.060	85 - 127 - 182	.075	73 - 110 - 164	.103	63 - 95 - 149	**22**	43	40	38	32	25	13
		855	7164	.101	110 - 146 - 207	.126	95 - 133 - 187	.174	82 - 120 - 170	**30**	50	47	45	41	36	23
		1053	8819	.153	133 - 163 - 230	.192	117 - 147 - 208	.264	101 - 133 - 188	**36**	55	53	51	47	44	31
		1250	10474	.216	145 - 177 - 250	.270	131 - 160 - 227	.372	118 - 145 - 205	**41**	60	57	56	53	50	38
48" x 30"	10.000	450	4319	.028	61 - 93 - 161	.035	49 - 80 - 146	.048	39 - 69 - 132	**11**	33	31	28	20	11	-
		650	6238	.058	90 - 135 - 193	.073	77 - 116 - 175	.101	67 - 100 - 158	**22**	43	41	38	32	26	13
		850	8158	.100	117 - 156 - 221	.125	101 - 141 - 200	.172	87 - 128 - 181	**30**	50	48	46	41	36	23
		1050	10078	.152	142 - 174 - 246	.191	125 - 157 - 222	.262	108 - 142 - 201	**36**	56	53	52	48	44	31
		1250	11997	.216	155 - 190 - 268	.270	140 - 172 - 243	.372	127 - 155 - 220	**41**	60	58	57	54	51	38
48" x 36"	12.000	440	5089	.027	64 - 100 - 175	.034	52 - 86 - 158	.046	41 - 74 - 143	**11**	33	31	28	20	11	-
		630	7287	.055	96 - 143 - 209	.069	82 - 124 - 189	.094	71 - 107 - 171	**22**	43	41	38	32	25	12
		820	9484	.093	124 - 169 - 238	.116	107 - 153 - 216	.160	92 - 138 - 195	**30**	50	47	45	41	35	23
		1010	11682	.141	153 - 187 - 264	.176	132 - 169 - 239	.243	114 - 153 - 217	**36**	56	53	51	47	44	31
		1200	13880	.199	166 - 204 - 288	.249	151 - 185 - 261	.343	135 - 167 - 236	**41**	60	57	56	53	50	38
46" x 46"	14.694	430	6114	.026	68 - 108 - 191	.032	55 - 93 - 173	.044	43 - 81 - 157	**11**	34	32	28	20	11	-
		610	8674	.051	103 - 154 - 228	.064	88 - 133 - 206	.089	76 - 114 - 187	**22**	43	41	38	32	25	12
		790	11233	.086	133 - 183 - 259	.108	115 - 166 - 235	.149	99 - 148 - 212	**29**	50	47	45	40	35	22
		970	13793	.130	163 - 203 - 287	.163	141 - 184 - 260	.224	121 - 166 - 235	**36**	55	53	51	47	43	30
		1150	16352	.183	181 - 221 - 313	.229	164 - 200 - 283	.315	144 - 181 - 256	**41**	60	57	56	53	49	37
48" x 48"	16.000	420	6512	.024	68 - 111 - 197	.031	55 - 95 - 179	.042	43 - 82 - 162	**11**	34	31	28	20	11	-
		603	9341	.050	106 - 159 - 237	.063	91 - 137 - 214	.086	79 - 118 - 194	**22**	43	41	38	32	25	12
		785	12171	.085	138 - 191 - 270	.107	119 - 173 - 244	.147	102 - 154 - 221	**30**	50	48	46	40	35	22
		968	15000	.129	170 - 212 - 300	.162	146 - 192 - 271	.223	126 - 174 - 245	**36**	56	53	51	47	43	30
		1150	17829	.183	189 - 231 - 327	.229	171 - 209 - 296	.315	150 - 189 - 268	**41**	60	58	56	53	50	37

NOTES: Throw values are given for terminal velocities of 150, 100, and 50 FPM. 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.

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

IP 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							
in	ft²	FPM	CFM	"WG	ft	"WG	ft	"WG	ft		2	3	4	5	6	7
12" x 12"	1.000	640	563	.054	27 - 40 - 58	.066	23 - 35 - 53	.088	20 - 30 - 48	**11**	32	30	27	21	15	-
		780	686	.080	33 - 45 - 64	.097	28 - 41 - 58	.130	24 - 36 - 52	**17**	37	35	33	28	22	-
		920	809	.111	38 - 49 - 70	.135	33 - 45 - 63	.181	29 - 40 - 57	**22**	42	39	38	33	29	16
		1060	932	.147	43 - 53 - 75	.180	38 - 48 - 68	.240	33 - 43 - 61	**27**	46	43	42	38	34	21
		1200	1055	.189	46 - 56 - 79	.230	42 - 51 - 72	.308	37 - 46 - 65	**30**	49	46	45	42	39	26
12" x 18"	1.500	600	809	.047	31 - 47 - 70	.058	27 - 40 - 63	.077	23 - 35 - 57	**11**	32	30	27	21	14	-
		750	1011	.074	39 - 55 - 78	.090	33 - 50 - 70	.120	29 - 43 - 64	**18**	38	36	34	28	23	-
		900	1213	.106	47 - 60 - 85	.130	40 - 55 - 77	.173	35 - 49 - 70	**23**	43	41	39	34	30	17
		1050	1415	.144	53 - 65 - 92	.176	47 - 59 - 83	.236	40 - 53 - 75	**28**	47	45	43	39	36	23
		1200	1617	.189	57 - 70 - 98	.230	51 - 63 - 89	.308	46 - 57 - 81	**32**	51	48	47	44	41	28
16" x 18"	2.000	560	1023	.041	34 - 51 - 78	.050	29 - 44 - 71	.067	25 - 38 - 64	**11**	32	30	27	20	13	-
		720	1315	.068	43 - 63 - 89	.083	37 - 56 - 80	.111	32 - 48 - 73	**18**	39	36	34	28	22	-
		880	1608	.101	53 - 69 - 98	.124	46 - 63 - 89	.166	39 - 57 - 80	**24**	44	41	39	35	30	17
		1040	1900	.142	62 - 75 - 107	.173	54 - 68 - 97	.231	47 - 62 - 87	**29**	48	46	44	40	37	24
		1200	2192	.189	66 - 81 - 115	.230	60 - 73 - 104	.308	54 - 66 - 94	**33**	52	49	48	45	42	30
24" x 18"	3.000	540	1504	.038	40 - 60 - 95	.047	35 - 52 - 86	.062	30 - 45 - 78	**11**	33	30	27	20	13	-
		705	1964	.065	52 - 77 - 108	.080	45 - 68 - 98	.106	39 - 58 - 89	**19**	40	37	35	29	23	-
		870	2423	.099	65 - 85 - 120	.121	56 - 77 - 109	.162	48 - 70 - 99	**25**	45	43	41	36	32	19
		1035	2883	.140	76 - 93 - 131	.171	66 - 84 - 119	.229	57 - 76 - 108	**31**	50	47	46	42	38	26
		1200	3342	.189	82 - 100 - 141	.230	74 - 91 - 128	.308	66 - 82 - 116	**35**	54	51	50	47	44	31
32" x 18"	4.000	520	1947	.035	45 - 67 - 108	.043	39 - 58 - 98	.058	33 - 50 - 88	**11**	33	31	28	21	13	-
		690	2583	.062	60 - 88 - 124	.076	51 - 77 - 113	.102	44 - 66 - 102	**20**	41	38	36	30	24	11
		860	3219	.097	74 - 98 - 139	.118	64 - 89 - 126	.158	55 - 80 - 114	**26**	46	44	42	37	32	20
		1030	3856	.139	88 - 107 - 152	.170	77 - 97 - 138	.227	66 - 88 - 124	**32**	51	48	47	43	39	27
		1200	4492	.189	95 - 116 - 164	.230	86 - 105 - 148	.308	77 - 95 - 134	**36**	55	52	51	48	45	33
36" x 18"	4.500	510	2154	.034	47 - 70 - 114	.042	40 - 60 - 103	.056	33 - 52 - 93	**11**	33	31	28	20	13	-
		683	2882	.061	63 - 93 - 131	.075	54 - 81 - 119	.100	46 - 70 - 108	**20**	41	38	36	30	24	11
		855	3610	.096	78 - 104 - 147	.117	68 - 94 - 133	.156	58 - 85 - 120	**27**	47	44	42	38	33	20
		1028	4339	.138	93 - 114 - 161	.169	81 - 103 - 146	.226	70 - 93 - 132	**32**	52	49	48	44	40	27
		1200	5067	.189	101 - 123 - 174	.230	91 - 111 - 158	.308	82 - 101 - 143	**37**	56	53	52	49	46	33
44" x 18"	5.500	490	2539	.031	50 - 75 - 123	.038	43 - 64 - 112	.051	34 - 55 - 101	**11**	33	31	27	20	12	-
		668	3458	.058	68 - 102 - 144	.071	58 - 88 - 130	.095	50 - 76 - 118	**20**	41	39	36	30	24	11
		845	4378	.094	86 - 114 - 162	.114	74 - 104 - 147	.153	64 - 94 - 133	**27**	47	45	43	38	33	20
		1023	5298	.137	103 - 126 - 178	.167	89 - 114 - 161	.224	77 - 103 - 146	**33**	52	50	48	44	41	28
		1200	6217	.189	111 - 136 - 193	.230	101 - 123 - 175	.308	91 - 112 - 158	**38**	57	54	53	50	47	34
48" x 18"	6.000	490	2773	.031	52 - 78 - 129	.038	45 - 67 - 117	.051	36 - 58 - 106	**11**	33	31	28	20	12	-
		668	3778	.058	71 - 106 - 150	.071	61 - 92 - 136	.095	53 - 79 - 123	**21**	41	39	37	31	24	11
		845	4783	.094	90 - 120 - 169	.114	77 - 108 - 153	.153	67 - 98 - 139	**28**	48	45	43	38	33	21
		1023	5788	.137	107 - 132 - 186	.167	94 - 119 - 168	.224	81 - 108 - 152	**33**	53	50	49	45	41	28
		1200	6792	.189	116 - 143 - 202	.230	105 - 129 - 183	.308	95 - 117 - 165	**38**	57	54	53	50	47	34
36" x 26"	6.500	480	2967	.030	53 - 80 - 133	.037	45 - 69 - 121	.049	36 - 59 - 109	**11**	33	31	28	20	12	-
		660	4079	.057	73 - 110 - 156	.070	63 - 95 - 141	.093	54 - 82 - 128	**21**	42	39	37	31	24	11
		840	5192	.092	93 - 125 - 176	.113	80 - 113 - 160	.151	69 - 102 - 144	**28**	48	45	43	39	34	21
		1020	6305	.136	112 - 137 - 194	.166	97 - 124 - 176	.223	84 - 113 - 159	**34**	53	50	49	45	41	28
		1200	7417	.189	122 - 149 - 211	.230	110 - 135 - 191	.308	99 - 122 - 173	**38**	57	55	54	50	47	35
28" x 36"	7.000	480	3202	.030	55 - 83 - 138	.037	47 - 71 - 125	.049	37 - 62 - 113	**11**	33	31	28	20	12	-
		660	4403	.057	76 - 114 - 162	.070	66 - 98 - 147	.093	56 - 85 - 133	**21**	42	39	37	31	25	12
		840	5603	.092	97 - 130 - 183	.113	83 - 117 - 166	.151	72 - 106 - 150	**28**	48	46	44	39	34	21
		1020	6804	.136	117 - 143 - 202	.166	101 - 129 - 183	.223	87 - 117 - 165	**34**	53	51	49	45	42	29
		1200	8005	.189	126 - 155 - 219	.230	114 - 140 - 198	.308	103 - 127 - 179	**39**	58	55	54	51	48	35
36" x 30"	7.500	470	3365	.029	56 - 84 - 142	.035	46 - 73 - 128	.047	37 - 63 - 116	**11**	33	31	28	20	12	-
		653	4672	.056	78 - 117 - 167	.068	67 - 101 - 151	.091	58 - 87 - 137	**21**	42	39	37	31	24	12
		835	5979	.091	100 - 134 - 189	.112	86 - 121 - 171	.149	74 - 110 - 155	**28**	48	46	44	39	34	21
		1018	7285	.136	121 - 148 - 209	.166	105 - 134 - 189	.222	90 - 121 - 171	**34**	54	51	50	46	42	29
		1200	8592	.189	131 - 160 - 227	.230	119 - 145 - 205	.308	106 - 131 - 186	**39**	58	55	54	51	48	35

NOTES: Throw values are given for terminal velocities of 150, 100, and 50 FPM. 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.

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

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

Nom Duct	Duct Area	Neck Vel	Air Flow	0°		15°		30°								
				Pt	Throw	Pt	Throw	Pt	Throw	NC	Octave Band, dB					
in	ft²	FPM	CFM	"WG	ft	"WG	ft	"WG	ft		2	3	4	5	6	7
32" x 36"	8.000	470	3595	.029	58 - 87 - 147	.035	48 - 75 - 133	.047	38 - 65 - 120	**11**	33	31	28	20	12	-
		653	4991	.056	80 - 121 - 173	.068	69 - 104 - 156	.091	60 - 90 - 142	**21**	42	40	37	31	25	12
		835	6388	.091	103 - 138 - 196	.112	89 - 125 - 177	.149	77 - 113 - 160	**28**	49	46	44	39	34	22
		1018	7784	.136	125 - 153 - 216	.166	108 - 138 - 195	.222	93 - 125 - 177	**34**	54	51	50	46	42	29
		1200	9180	.189	135 - 166 - 234	.230	123 - 150 - 212	.308	110 - 136 - 192	**39**	58	56	55	51	48	36
36" x 34"	8.500	460	3744	.028	59 - 88 - 150	.034	47 - 76 - 136	.045	38 - 65 - 123	**11**	33	31	28	20	11	-
		645	5250	.055	82 - 123 - 177	.067	71 - 106 - 160	.089	61 - 91 - 145	**21**	42	40	37	31	25	12
		830	6756	.090	106 - 142 - 201	.110	91 - 129 - 182	.147	78 - 116 - 165	**29**	49	46	44	39	34	22
		1015	8261	.135	128 - 157 - 222	.165	111 - 142 - 201	.220	96 - 129 - 182	**35**	54	51	50	46	42	29
		1200	9767	.189	140 - 171 - 242	.230	126 - 155 - 219	.308	113 - 140 - 198	**40**	59	56	55	52	49	36
36" x 36"	9.000	460	3969	.028	60 - 90 - 154	.034	49 - 78 - 140	.045	39 - 67 - 126	**11**	33	31	28	20	12	-
		645	5566	.055	84 - 127 - 183	.067	73 - 109 - 165	.089	63 - 94 - 150	**21**	42	40	37	31	25	12
		830	7162	.090	109 - 146 - 207	.110	94 - 133 - 187	.147	81 - 120 - 170	**29**	49	47	45	40	35	22
		1015	8758	.135	132 - 162 - 229	.165	115 - 147 - 207	.220	99 - 133 - 188	**35**	54	52	50	46	42	30
		1200	10355	.189	144 - 176 - 249	.230	130 - 159 - 225	.308	117 - 144 - 204	**40**	59	56	55	52	49	36
36" x 38"	9.500	460	4195	.028	62 - 93 - 158	.034	50 - 80 - 143	.045	40 - 69 - 130	**11**	34	31	28	20	12	-
		645	5881	.055	87 - 130 - 188	.067	75 - 112 - 170	.089	65 - 97 - 154	**21**	43	40	38	32	25	12
		830	7568	.090	112 - 151 - 213	.110	96 - 136 - 193	.147	83 - 123 - 174	**29**	49	47	45	40	35	22
		1015	9255	.135	136 - 166 - 235	.165	118 - 151 - 213	.220	102 - 136 - 193	**35**	55	52	51	47	43	30
		1200	10942	.189	148 - 181 - 256	.230	134 - 164 - 232	.308	120 - 148 - 210	**40**	59	56	55	52	49	36
36" x 42"	10.500	450	4544	.027	63 - 96 - 165	.032	51 - 82 - 149	.043	40 - 71 - 135	**11**	33	31	28	20	12	-
		638	6437	.053	90 - 135 - 196	.065	78 - 117 - 178	.087	67 - 101 - 161	**22**	43	40	38	32	25	12
		825	8331	.089	117 - 158 - 223	.109	101 - 143 - 202	.146	87 - 129 - 183	**29**	50	47	45	40	35	22
		1013	10224	.134	143 - 175 - 247	.164	124 - 158 - 224	.219	107 - 143 - 203	**35**	55	52	51	47	43	30
		1200	12117	.189	156 - 190 - 269	.230	141 - 172 - 244	.308	126 - 156 - 221	**40**	60	57	56	53	50	37
46" x 36"	11.500	440	4874	.025	63 - 98 - 171	.031	51 - 84 - 155	.041	40 - 73 - 140	**11**	33	31	28	20	11	-
		630	6978	.052	93 - 140 - 204	.064	81 - 121 - 185	.085	69 - 104 - 167	**22**	43	40	38	32	25	12
		820	9083	.088	122 - 165 - 233	.108	105 - 149 - 211	.144	90 - 135 - 191	**29**	50	47	45	40	35	22
		1010	11188	.134	149 - 183 - 259	.163	129 - 166 - 234	.218	111 - 150 - 212	**36**	55	53	51	47	43	31
		1200	13292	.189	163 - 200 - 282	.230	147 - 181 - 255	.308	132 - 163 - 231	**41**	60	57	56	53	50	37
48" x 36"	12.000	440	5089	.025	64 - 100 - 175	.031	52 - 86 - 158	.041	41 - 74 - 143	**11**	33	31	28	20	11	-
		630	7287	.052	96 - 143 - 209	.064	82 - 124 - 189	.085	71 - 107 - 171	**22**	43	41	38	32	25	12
		820	9484	.088	124 - 169 - 238	.108	107 - 153 - 216	.144	92 - 138 - 195	**30**	50	47	45	41	35	23
		1010	11682	.134	153 - 187 - 264	.163	132 - 169 - 239	.218	114 - 153 - 217	**36**	56	53	51	47	44	31
		1200	13880	.189	166 - 204 - 288	.230	151 - 185 - 261	.308	135 - 167 - 236	**41**	60	57	56	53	50	38
48" x 40"	13.333	440	5667	.025	68 - 106 - 184	.031	55 - 91 - 167	.041	43 - 79 - 151	**11**	34	32	28	20	12	-
		630	8114	.052	101 - 151 - 220	.064	87 - 130 - 200	.085	75 - 112 - 181	**22**	43	41	38	32	26	13
		820	10561	.088	131 - 178 - 251	.108	113 - 161 - 228	.144	98 - 146 - 206	**30**	50	48	46	41	36	23
		1010	13008	.134	161 - 197 - 279	.163	139 - 179 - 253	.218	120 - 162 - 229	**36**	56	53	52	48	44	31
		1200	15455	.189	176 - 215 - 304	.230	159 - 195 - 275	.308	143 - 176 - 249	**41**	61	58	57	54	51	38
48" x 44"	14.667	430	6102	.024	68 - 108 - 191	.030	55 - 93 - 173	.040	43 - 81 - 157	**11**	34	32	28	20	11	-
		623	8834	.051	105 - 157 - 230	.062	90 - 135 - 208	.083	78 - 117 - 188	**22**	44	41	39	32	26	13
		815	11566	.087	137 - 186 - 263	.106	118 - 168 - 238	.142	102 - 152 - 216	**30**	51	48	46	41	36	23
		1008	14298	.133	169 - 207 - 293	.162	146 - 187 - 265	.217	126 - 169 - 240	**37**	56	54	52	48	44	32
		1200	17030	.189	184 - 226 - 319	.230	167 - 204 - 289	.308	150 - 185 - 262	**42**	61	58	57	54	51	38
47" x 47"	15.340	430	6387	.024	69 - 111 - 196	.030	56 - 96 - 177	.040	44 - 82 - 160	**11**	34	32	28	20	11	-
		623	9247	.051	107 - 160 - 235	.062	92 - 138 - 213	.083	80 - 119 - 193	**22**	44	41	39	32	26	13
		815	12106	.087	140 - 190 - 269	.106	121 - 172 - 244	.142	104 - 156 - 221	**31**	51	48	46	41	36	23
		1008	14966	.133	173 - 212 - 299	.162	149 - 192 - 271	.217	129 - 173 - 245	**37**	57	54	52	48	45	32
		1200	17826	.189	189 - 231 - 327	.230	171 - 209 - 296	.308	153 - 189 - 268	**42**	61	58	57	54	51	39
48" x 48"	16.000	420	6512	.023	68 - 111 - 197	.028	55 - 95 - 179	.038	43 - 82 - 162	**11**	34	31	28	20	11	-
		615	9535	.050	108 - 162 - 239	.061	93 - 140 - 216	.081	80 - 120 - 196	**22**	44	41	39	32	26	13
		810	12558	.086	142 - 194 - 274	.105	123 - 176 - 248	.140	106 - 159 - 225	**31**	51	48	46	41	36	23
		1005	15581	.132	176 - 216 - 305	.162	152 - 195 - 276	.216	131 - 177 - 250	**37**	57	54	53	49	45	32
		1200	18605	.189	193 - 236 - 334	.230	174 - 214 - 302	.308	157 - 193 - 273	**42**	61	59	58	54	51	39

NOTES: Throw values are given for terminal velocities of 150, 100, and 50 FPM. 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.

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