

SHPCR, 5SHPCR Performance Data: Horizontal Throw

IP DATA: SHPCR, 5SHPCR (NO DAMPER)

Neck Dim	Neck Vel	Total Pres	Static Pres	Total Flow	NC	Discharge Air Pattern							
						1-Way Throw	2-Way Throw	3 - Side A		3 - Side B		4-Way Throw	
								Flow	Throw	Flow	Throw		
in.	FPM	"WG	"WG	CFM		ft	ft	CFM	ft	CFM	ft	ft	
6"	x	400	0.036	0.026	78	-	5 - 8 - 16	3 - 5 - 10	20	2 - 3 - 6	29	2 - 3 - 6	2 - 3 - 6
		600	0.081	0.059	118	14	8 - 12 - 21	5 - 7 - 15	29	3 - 4 - 9	44	3 - 5 - 10	3 - 4 - 9
	6"	800	0.145	0.105	157	22	11 - 16 - 25	7 - 10 - 17	39	4 - 6 - 11	59	4 - 6 - 13	4 - 6 - 11
		1000	0.226	0.164	196	28	13 - 20 - 28	8 - 12 - 19	49	5 - 7 - 14	74	5 - 8 - 16	5 - 7 - 14
	Round	1200	0.326	0.236	235	33	16 - 21 - 30	10 - 15 - 21	59	6 - 9 - 17	88	6 - 10 - 19	6 - 9 - 17
		1400	0.443	0.321	275	37	19 - 23 - 33	12 - 16 - 22	69	7 - 10 - 20	103	7 - 11 - 22	7 - 10 - 20
	1600	0.579	0.419	314	41	20 - 25 - 35	13 - 17 - 24	78	8 - 11 - 23	118	9 - 13 - 25	8 - 11 - 23	
9"	x	400	0.036	0.026	78	-	5 - 8 - 16	3 - 5 - 10	20	2 - 3 - 6	29	2 - 3 - 6	2 - 3 - 6
		600	0.081	0.059	118	14	8 - 12 - 21	5 - 7 - 15	29	3 - 4 - 9	44	3 - 5 - 10	3 - 4 - 9
	9"	800	0.145	0.105	157	22	11 - 16 - 25	7 - 10 - 17	39	4 - 6 - 11	59	4 - 6 - 13	4 - 6 - 11
		1000	0.226	0.164	196	28	13 - 20 - 28	8 - 12 - 19	49	5 - 7 - 14	74	5 - 8 - 16	5 - 7 - 14
	Round	1200	0.326	0.236	235	33	16 - 21 - 30	10 - 15 - 21	59	6 - 9 - 17	88	6 - 10 - 19	6 - 9 - 17
		1400	0.443	0.321	275	37	19 - 23 - 33	12 - 16 - 22	69	7 - 10 - 20	103	7 - 11 - 22	7 - 10 - 20
	1600	0.579	0.419	314	41	20 - 25 - 35	13 - 17 - 24	78	8 - 11 - 23	118	9 - 13 - 25	8 - 11 - 23	
6"	x	400	0.036	0.026	78	-	5 - 8 - 16	3 - 5 - 10	20	2 - 3 - 6	29	2 - 3 - 6	2 - 3 - 6
		600	0.081	0.059	118	14	8 - 12 - 21	5 - 7 - 15	29	3 - 4 - 9	44	3 - 5 - 10	3 - 4 - 9
	6"	800	0.145	0.105	157	22	11 - 16 - 25	7 - 10 - 17	39	4 - 6 - 11	59	4 - 6 - 13	4 - 6 - 11
		1000	0.226	0.164	196	28	13 - 20 - 28	8 - 12 - 19	49	5 - 7 - 14	74	5 - 8 - 16	5 - 7 - 14
	Round	1200	0.326	0.236	235	33	16 - 21 - 30	10 - 15 - 21	59	6 - 9 - 17	88	6 - 10 - 19	6 - 9 - 17
		1400	0.443	0.321	275	37	19 - 23 - 33	12 - 16 - 22	69	7 - 10 - 20	103	7 - 11 - 22	7 - 10 - 20
	1600	0.579	0.419	314	41	20 - 25 - 35	13 - 17 - 24	78	8 - 11 - 23	118	9 - 13 - 25	8 - 11 - 23	
9"	x	400	0.035	0.025	140	-	7 - 11 - 21	4 - 7 - 13	35	3 - 4 - 8	52	3 - 4 - 9	3 - 4 - 8
		600	0.080	0.057	209	15	11 - 16 - 29	7 - 10 - 19	52	4 - 6 - 11	78	4 - 6 - 13	4 - 6 - 11
	9"	800	0.142	0.102	279	23	14 - 21 - 33	9 - 13 - 22	70	5 - 8 - 15	105	6 - 9 - 17	5 - 8 - 15
		1000	0.222	0.159	349	29	18 - 26 - 37	11 - 17 - 25	87	6 - 9 - 19	131	7 - 11 - 21	6 - 9 - 19
	Round	1200	0.319	0.229	419	34	21 - 29 - 41	13 - 19 - 27	105	8 - 11 - 23	157	9 - 13 - 26	8 - 11 - 23
		1400	0.434	0.312	488	38	25 - 31 - 44	15 - 21 - 30	122	9 - 13 - 26	183	10 - 15 - 30	9 - 13 - 26
	1600	0.567	0.407	558	42	27 - 33 - 47	18 - 22 - 32	140	10 - 15 - 30	209	11 - 17 - 33	10 - 15 - 30	
12"	x	400	0.035	0.025	140	-	7 - 11 - 21	4 - 7 - 13	35	3 - 4 - 8	52	3 - 4 - 9	3 - 4 - 8
		600	0.080	0.057	209	15	11 - 16 - 29	7 - 10 - 19	52	4 - 6 - 11	78	4 - 6 - 13	4 - 6 - 11
	12"	800	0.142	0.102	279	23	14 - 21 - 33	9 - 13 - 22	70	5 - 8 - 15	105	6 - 9 - 17	5 - 8 - 15
		1000	0.222	0.159	349	29	18 - 26 - 37	11 - 17 - 25	87	6 - 9 - 19	131	7 - 11 - 21	6 - 9 - 19
	Round	1200	0.319	0.229	419	34	21 - 29 - 41	13 - 19 - 27	105	8 - 11 - 23	157	9 - 13 - 26	8 - 11 - 23
		1400	0.434	0.312	488	38	25 - 31 - 44	15 - 21 - 30	122	9 - 13 - 26	183	10 - 15 - 30	9 - 13 - 26
	1500	0.498	0.358	523	40	26 - 32 - 45	17 - 22 - 31	131	9 - 14 - 28	196	11 - 16 - 32	9 - 14 - 28	
12"	x	400	0.034	0.025	218	-	9 - 13 - 27	6 - 8 - 17	55	3 - 5 - 9	82	4 - 5 - 11	3 - 5 - 9
		600	0.078	0.055	327	16	13 - 20 - 36	8 - 12 - 24	82	5 - 7 - 14	123	5 - 8 - 16	5 - 7 - 14
	12"	800	0.138	0.098	436	24	18 - 27 - 41	11 - 17 - 28	109	6 - 9 - 19	164	7 - 11 - 21	6 - 9 - 19
		900	0.175	0.124	491	27	20 - 30 - 44	12 - 19 - 30	123	7 - 11 - 21	184	8 - 12 - 24	7 - 11 - 21
	Round	1000	0.216	0.153	545	30	22 - 33 - 46	14 - 21 - 31	136	8 - 12 - 24	204	9 - 13 - 27	8 - 12 - 24
		1200	0.310	0.221	654	35	27 - 36 - 51	17 - 24 - 34	164	9 - 14 - 28	245	11 - 16 - 32	9 - 14 - 28
	1400	0.422	0.300	763	39	31 - 39 - 55	19 - 26 - 37	191	11 - 17 - 33	286	12 - 19 - 37	11 - 17 - 33	
12"	x	400	0.033	0.023	314	-	11 - 16 - 32	7 - 10 - 20	78	4 - 6 - 11	118	4 - 6 - 13	4 - 6 - 11
		600	0.075	0.053	471	17	16 - 24 - 43	10 - 15 - 29	118	6 - 9 - 17	177	6 - 10 - 19	6 - 9 - 17
	12"	800	0.133	0.093	628	25	21 - 32 - 50	13 - 20 - 34	157	8 - 11 - 23	235	9 - 13 - 26	8 - 11 - 23
		900	0.169	0.118	706	28	24 - 36 - 53	15 - 22 - 36	177	9 - 13 - 26	265	10 - 14 - 29	9 - 13 - 26
	Round	1000	0.208	0.146	785	31	27 - 39 - 55	17 - 25 - 38	196	9 - 14 - 28	294	11 - 16 - 32	9 - 14 - 28
		1200	0.300	0.210	942	35	32 - 43 - 61	20 - 29 - 41	235	11 - 17 - 34	353	13 - 19 - 38	11 - 17 - 34
	1400	0.408	0.286	1099	40	37 - 46 - 66	23 - 31 - 45	275	13 - 20 - 40	412	15 - 22 - 45	13 - 20 - 40	
15"	x	400	0.033	0.023	314	-	11 - 16 - 32	7 - 10 - 20	78	4 - 6 - 11	118	4 - 6 - 13	4 - 6 - 11
		600	0.075	0.053	471	17	16 - 24 - 43	10 - 15 - 29	118	6 - 9 - 17	177	6 - 10 - 19	6 - 9 - 17
	15"	800	0.133	0.093	628	25	21 - 32 - 50	13 - 20 - 34	157	8 - 11 - 23	235	9 - 13 - 26	8 - 11 - 23
		900	0.169	0.118	706	28	24 - 36 - 53	15 - 22 - 36	177	9 - 13 - 26	265	10 - 14 - 29	9 - 13 - 26
	Round	1000	0.208	0.146	785	31	27 - 39 - 55	17 - 25 - 38	196	9 - 14 - 28	294	11 - 16 - 32	9 - 14 - 28
		1200	0.300	0.210	942	35	32 - 43 - 61	20 - 29 - 41	235	11 - 17 - 34	353	13 - 19 - 38	11 - 17 - 34
	1400	0.408	0.286	1099	40	37 - 46 - 66	23 - 31 - 45	275	13 - 20 - 40	412	15 - 22 - 45	13 - 20 - 40	

NOTES: Throw values are given for isothermal conditions and terminal velocities of 150, 100, and 50 FPM. 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 value of less than 10. Data was obtained from tests conducted in accordance with ANSI/ASHRAE Standard 70. The throw values given for 1-Throw is for [Total CFM] CFM per side. The throw values given for 2-Throw is for [(Total CFM)/2] CFM per side. The throw values given for 4-Throw is for [(Total CFM)/4] CFM per side. Reference page B1-87 for 'Side A' and 'Side B' detail. See Krueger's selection software for performance data not shown, including octave band data.

LOUVERED FACE DIFFUSERS

SHPCR - 5SHPCR

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SHPCR, 5SHPCR Performance Data: Horizontal Throw

IP DATA: SHPCR, 5SHPCR (NO DAMPER)

Neck Dim	Neck Vel	Total Pres	Static Pres	Total Flow	NC	Discharge Air Pattern							
						1-Way Throw	2-Way Throw	3 - Side A		3 - Side B		4-Way Throw	
								Flow	Throw	Flow	Throw		
in.	FPM	"WG	"WG	CFM		ft	ft	CFM	ft	CFM	ft	ft	
15" x 15"	400	0.032	0.022	427	-	12 - 19 - 37	8 - 12 - 23	107	4 - 7 - 13	160	5 - 7 - 15	4 - 7 - 13	
	600	0.072	0.049	641	17	19 - 28 - 50	12 - 17 - 34	160	7 - 10 - 20	240	7 - 11 - 22	7 - 10 - 20	
14" Round	800	0.128	0.088	855	25	25 - 37 - 58	15 - 23 - 39	214	9 - 13 - 26	320	10 - 15 - 30	9 - 13 - 26	
	900	0.162	0.111	961	28	28 - 42 - 61	17 - 26 - 42	240	10 - 15 - 30	361	11 - 17 - 33	10 - 15 - 30	
14" Round	1000	0.200	0.137	1068	31	31 - 46 - 65	19 - 29 - 44	267	11 - 17 - 33	401	12 - 19 - 37	11 - 17 - 33	
	1200	0.287	0.198	1282	36	37 - 50 - 71	23 - 34 - 48	320	13 - 20 - 40	481	15 - 22 - 45	13 - 20 - 40	
	1400	0.391	0.269	1495	40	43 - 54 - 77	27 - 37 - 52	374	15 - 23 - 46	561	17 - 26 - 52	15 - 23 - 46	
18" x 18"	400	0.036	0.026	78	-	5 - 8 - 16	3 - 5 - 10	20	2 - 3 - 6	29	2 - 3 - 6	2 - 3 - 6	
	600	0.081	0.059	118	14	8 - 12 - 21	5 - 7 - 15	29	3 - 4 - 9	44	3 - 5 - 10	3 - 4 - 9	
6" Round	800	0.145	0.105	157	22	11 - 16 - 25	7 - 10 - 17	39	4 - 6 - 11	59	4 - 6 - 13	4 - 6 - 11	
	1000	0.226	0.164	196	28	13 - 20 - 28	8 - 12 - 19	49	5 - 7 - 14	74	5 - 8 - 16	5 - 7 - 14	
	1200	0.326	0.236	235	33	16 - 21 - 30	10 - 15 - 21	59	6 - 9 - 17	88	6 - 10 - 19	6 - 9 - 17	
6" Round	1300	0.382	0.277	255	35	17 - 22 - 32	11 - 15 - 21	64	6 - 9 - 18	96	7 - 10 - 21	6 - 9 - 18	
	1400	0.443	0.321	275	37	19 - 23 - 33	12 - 16 - 22	69	7 - 10 - 20	103	7 - 11 - 22	7 - 10 - 20	
	18" x 18"	400	0.036	0.026	140	-	7 - 11 - 21	4 - 7 - 13	35	3 - 4 - 8	52	3 - 4 - 9	3 - 4 - 8
18" x 18"	600	0.081	0.059	209	15	11 - 16 - 29	7 - 10 - 19	52	4 - 6 - 11	78	4 - 6 - 13	4 - 6 - 11	
	800	0.145	0.105	279	23	14 - 21 - 33	9 - 13 - 22	70	5 - 8 - 15	105	6 - 9 - 17	5 - 8 - 15	
8" Round	1000	0.226	0.164	349	29	18 - 26 - 37	11 - 17 - 25	87	6 - 9 - 19	131	7 - 11 - 21	6 - 9 - 19	
	1200	0.326	0.236	419	34	21 - 29 - 41	13 - 19 - 27	105	8 - 11 - 23	157	9 - 13 - 26	8 - 11 - 23	
	1400	0.443	0.321	488	38	25 - 31 - 44	15 - 21 - 30	122	9 - 13 - 26	183	10 - 15 - 30	9 - 13 - 26	
8" Round	1500	0.509	0.369	523	40	26 - 32 - 45	17 - 22 - 31	131	9 - 14 - 28	196	11 - 16 - 32	9 - 14 - 28	
	18" x 18"	400	0.035	0.025	218	-	9 - 13 - 27	6 - 8 - 17	55	3 - 5 - 9	82	4 - 5 - 11	3 - 5 - 9
	600	0.080	0.057	327	16	13 - 20 - 36	8 - 12 - 24	82	5 - 7 - 14	123	5 - 8 - 16	5 - 7 - 14	
18" x 18"	800	0.142	0.102	436	24	18 - 27 - 41	11 - 17 - 28	109	6 - 9 - 19	164	7 - 11 - 21	6 - 9 - 19	
	900	0.179	0.129	491	27	20 - 30 - 44	12 - 19 - 30	123	7 - 11 - 21	184	8 - 12 - 24	7 - 11 - 21	
10" Round	1000	0.222	0.159	545	30	22 - 33 - 46	14 - 21 - 31	136	8 - 12 - 24	204	9 - 13 - 27	8 - 12 - 24	
	1200	0.319	0.229	654	35	27 - 36 - 51	17 - 24 - 34	164	9 - 14 - 28	245	11 - 16 - 32	9 - 14 - 28	
	1400	0.434	0.312	763	39	31 - 39 - 55	19 - 26 - 37	191	11 - 17 - 33	286	12 - 19 - 37	11 - 17 - 33	
18" x 18"	400	0.035	0.025	314	-	11 - 16 - 32	7 - 10 - 20	78	4 - 6 - 11	118	4 - 6 - 13	4 - 6 - 11	
	600	0.080	0.057	471	17	16 - 24 - 43	10 - 15 - 29	118	6 - 9 - 17	177	6 - 10 - 19	6 - 9 - 17	
12" Round	800	0.142	0.102	628	25	21 - 32 - 50	13 - 20 - 34	157	8 - 11 - 23	235	9 - 13 - 26	8 - 11 - 23	
	900	0.179	0.129	706	28	24 - 36 - 53	15 - 22 - 36	177	9 - 13 - 26	265	10 - 14 - 29	9 - 13 - 26	
	1000	0.222	0.159	785	31	27 - 39 - 55	17 - 25 - 38	196	9 - 14 - 28	294	11 - 16 - 32	9 - 14 - 28	
12" Round	1200	0.319	0.229	942	35	32 - 43 - 61	20 - 29 - 41	235	11 - 17 - 34	353	13 - 19 - 38	11 - 17 - 34	
	1400	0.434	0.312	1099	40	37 - 46 - 66	23 - 31 - 45	275	13 - 20 - 40	412	15 - 22 - 45	13 - 20 - 40	
	18" x 18"	400	0.034	0.025	427	-	12 - 19 - 37	8 - 12 - 23	107	4 - 7 - 13	160	5 - 7 - 15	4 - 7 - 13
18" x 18"	600	0.078	0.055	641	17	19 - 28 - 50	12 - 17 - 34	160	7 - 10 - 20	240	7 - 11 - 22	7 - 10 - 20	
	800	0.138	0.098	855	25	25 - 37 - 58	15 - 23 - 39	214	9 - 13 - 26	320	10 - 15 - 30	9 - 13 - 26	
14" Round	900	0.175	0.124	961	28	28 - 42 - 61	17 - 26 - 42	240	10 - 15 - 30	361	11 - 17 - 33	10 - 15 - 30	
	1000	0.216	0.153	1068	31	31 - 46 - 65	19 - 29 - 44	267	11 - 17 - 33	401	12 - 19 - 37	11 - 17 - 33	
	1200	0.310	0.221	1282	36	37 - 50 - 71	23 - 34 - 48	320	13 - 20 - 40	481	15 - 22 - 45	13 - 20 - 40	
14" Round	1400	0.422	0.300	1495	40	43 - 54 - 77	27 - 37 - 52	374	15 - 23 - 46	561	17 - 26 - 52	15 - 23 - 46	
	18" x 18"	400	0.033	0.023	558	-	14 - 21 - 43	9 - 13 - 26	140	5 - 8 - 15	209	6 - 9 - 17	5 - 8 - 15
	600	0.075	0.053	837	18	21 - 32 - 57	13 - 20 - 39	209	8 - 11 - 23	314	9 - 13 - 26	8 - 11 - 23	
18" x 18"	800	0.133	0.093	1116	26	28 - 43 - 66	18 - 26 - 45	279	10 - 15 - 30	419	11 - 17 - 34	10 - 15 - 30	
	900	0.169	0.118	1256	29	32 - 48 - 70	20 - 30 - 48	314	11 - 17 - 34	471	13 - 19 - 38	11 - 17 - 34	
16" Round	1000	0.208	0.146	1395	32	35 - 52 - 74	22 - 33 - 50	349	13 - 19 - 38	523	14 - 21 - 43	13 - 19 - 38	
	1200	0.300	0.210	1674	37	43 - 57 - 81	26 - 39 - 55	419	15 - 23 - 45	628	17 - 26 - 51	15 - 23 - 45	
	1400	0.408	0.286	1953	41	50 - 62 - 88	31 - 42 - 59	488	18 - 26 - 53	732	20 - 30 - 60	18 - 26 - 53	

NOTES: Throw values are given for isothermal conditions and terminal velocities of 150, 100, and 50 FPM. 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 value of less than 10. Data was obtained from tests conducted in accordance with ANSI/ASHRAE Standard 70. The throw values given for 1-Throw is for [Total CFM] CFM per side. The throw values given for 2-Throw is for [(Total CFM)/2] CFM per side. The throw values given for 4-Throw is for [(Total CFM)/4] CFM per side. Reference page B1-87 for 'Side A' and 'Side B' detail. See Krueger's selection software for performance data not shown, including octave band data.

SHPCR, 5SHPCR Performance Data: Vertical Throw

IP DATA: SHPCR, 5SHPCR (NO DAMPER)

Neck Dim	Neck Vel	Total Pres	Static Pres	Total Flow	NC	Discharge Air Pattern			
						Vert Δ + 40°F	Vert Δ + 20°F	Vert Δ + 0°F	Vert Δ - 20°F
						Throw	Throw	Throw	Throw
in.	FPM	"WG	"WG	CFM		ft	ft	ft	ft
6" x 6" Round	400	0.056	0.046	78	-	1 - 2 - 3	2 - 3 - 6	2 - 4 - 7	3 - 5 - 10
	600	0.126	0.104	118	18	2 - 3 - 5	3 - 4 - 9	4 - 6 - 11	5 - 7 - 14
	800	0.224	0.184	157	26	2 - 3 - 7	4 - 6 - 11	5 - 7 - 15	6 - 10 - 19
	1000	0.350	0.288	196	32	3 - 4 - 9	5 - 7 - 14	6 - 9 - 18	8 - 12 - 24
	1100	0.423	0.348	216	35	3 - 5 - 9	5 - 8 - 16	7 - 10 - 20	9 - 13 - 27
	1200	0.504	0.414	235	37	3 - 5 - 10	6 - 9 - 17	7 - 11 - 22	10 - 14 - 29
9" x 9" Round	400	0.056	0.046	78	-	1 - 2 - 3	2 - 3 - 6	2 - 4 - 7	3 - 5 - 10
	600	0.126	0.104	118	18	2 - 3 - 5	3 - 4 - 9	4 - 6 - 11	5 - 7 - 14
	800	0.224	0.184	157	26	2 - 3 - 7	4 - 6 - 11	5 - 7 - 15	6 - 10 - 19
	1000	0.350	0.288	196	32	3 - 4 - 9	5 - 7 - 14	6 - 9 - 18	8 - 12 - 24
	1100	0.423	0.348	216	35	3 - 5 - 9	5 - 8 - 16	7 - 10 - 20	9 - 13 - 27
	1200	0.504	0.414	235	37	3 - 5 - 10	6 - 9 - 17	7 - 11 - 22	10 - 14 - 29
9" x 8" Round	400	0.055	0.045	140	-	2 - 2 - 5	3 - 4 - 8	3 - 5 - 10	4 - 6 - 13
	600	0.124	0.102	209	19	2 - 3 - 7	4 - 6 - 11	5 - 7 - 15	6 - 10 - 19
	800	0.221	0.181	279	27	3 - 5 - 9	5 - 8 - 15	7 - 10 - 20	9 - 13 - 26
	1000	0.345	0.283	349	33	4 - 6 - 11	6 - 9 - 19	8 - 12 - 25	11 - 16 - 32
	1100	0.418	0.342	384	36	4 - 6 - 12	7 - 10 - 21	9 - 14 - 27	12 - 18 - 35
	1200	0.497	0.407	419	38	5 - 7 - 14	8 - 11 - 23	10 - 15 - 29	13 - 19 - 39
12" x 12" Round	400	0.055	0.045	140	-	2 - 2 - 5	3 - 4 - 8	3 - 5 - 10	4 - 6 - 13
	600	0.124	0.102	209	19	2 - 3 - 7	4 - 6 - 11	5 - 7 - 15	6 - 10 - 19
	800	0.221	0.181	279	27	3 - 5 - 9	5 - 8 - 15	7 - 10 - 20	9 - 13 - 26
	1000	0.345	0.283	349	33	4 - 6 - 11	6 - 9 - 19	8 - 12 - 25	11 - 16 - 32
	1100	0.418	0.342	384	36	4 - 6 - 12	7 - 10 - 21	9 - 14 - 27	12 - 18 - 35
	1200	0.497	0.407	419	38	5 - 7 - 14	8 - 11 - 23	10 - 15 - 29	13 - 19 - 39
12" x 10" Round	400	0.054	0.044	218	-	2 - 3 - 6	3 - 5 - 9	4 - 6 - 12	5 - 8 - 16
	600	0.122	0.100	327	20	3 - 4 - 9	5 - 7 - 14	6 - 9 - 18	8 - 12 - 24
	800	0.217	0.177	436	28	4 - 6 - 11	6 - 9 - 19	8 - 12 - 25	11 - 16 - 32
	1000	0.339	0.277	545	34	5 - 7 - 14	8 - 12 - 24	10 - 15 - 31	13 - 20 - 40
	1100	0.411	0.335	600	36	5 - 8 - 16	9 - 13 - 26	11 - 17 - 34	15 - 22 - 44
	1200	0.489	0.399	654	39	6 - 9 - 17	9 - 14 - 28	12 - 18 - 37	16 - 24 - 48
12" x 12" Round	400	0.053	0.043	314	-	2 - 3 - 7	4 - 6 - 11	5 - 7 - 15	6 - 10 - 19
	600	0.120	0.097	471	21	3 - 5 - 10	6 - 9 - 17	7 - 11 - 22	10 - 14 - 29
	800	0.212	0.173	628	29	5 - 7 - 14	8 - 11 - 23	10 - 15 - 29	13 - 19 - 39
	1000	0.332	0.270	785	35	6 - 9 - 17	9 - 14 - 28	12 - 18 - 37	16 - 24 - 48
	1100	0.402	0.326	863	37	6 - 9 - 19	10 - 16 - 31	14 - 20 - 41	18 - 27 - 53
	1200	0.478	0.388	942	39	7 - 10 - 20	11 - 17 - 34	15 - 22 - 44	19 - 29 - 58
15" x 12" Round	400	0.053	0.043	314	-	2 - 3 - 7	4 - 6 - 11	5 - 7 - 15	6 - 10 - 19
	600	0.120	0.097	471	21	3 - 5 - 10	6 - 9 - 17	7 - 11 - 22	10 - 14 - 29
	800	0.212	0.173	628	29	5 - 7 - 14	8 - 11 - 23	10 - 15 - 29	13 - 19 - 39
	1000	0.332	0.270	785	35	6 - 9 - 17	9 - 14 - 28	12 - 18 - 37	16 - 24 - 48
	1100	0.402	0.326	863	37	6 - 9 - 19	10 - 16 - 31	14 - 20 - 41	18 - 27 - 53
	1200	0.478	0.388	942	39	7 - 10 - 20	11 - 17 - 34	15 - 22 - 44	19 - 29 - 58

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

LOUVERED FACE DIFFUSERS

SHPCR - 5SHPCR

SHPCR, 5SHPCR Performance Data: Vertical Throw

IP DATA: SHPCR, 5SHPCR (NO DAMPER)

Neck Dim	Neck Vel	Total Pres	Static Pres	Total Flow	NC	Discharge Air Pattern			
						Vert Δ + 40°F	Vert Δ + 20°F	Vert Δ + 0°F	Vert Δ - 20°F
						Throw	Throw	Throw	Throw
in.	FPM	"WG	"WG	CFM		ft	ft	ft	ft
15" x 15"	400	0.052	0.042	427	10	3 - 4 - 8	4 - 7 - 13	6 - 9 - 17	7 - 11 - 22
	600	0.116	0.094	641	21	4 - 6 - 12	7 - 10 - 20	9 - 13 - 26	11 - 17 - 34
14" Round	800	0.207	0.167	855	29	5 - 8 - 16	9 - 13 - 26	11 - 17 - 34	15 - 22 - 45
	1000	0.323	0.261	1068	35	7 - 10 - 20	11 - 17 - 33	14 - 21 - 43	19 - 28 - 56
14" Round	1100	0.391	0.316	1175	38	7 - 11 - 22	12 - 18 - 36	16 - 24 - 47	21 - 31 - 62
	1200	0.466	0.376	1282	40	8 - 12 - 24	13 - 20 - 40	17 - 26 - 52	22 - 34 - 67
14" Round	1300	0.546	0.441	1389	42	9 - 13 - 26	14 - 21 - 43	19 - 28 - 56	24 - 37 - 73
	18" x 18"	400	0.056	0.046	78	-	1 - 2 - 3	2 - 3 - 6	2 - 4 - 7
18" x 18"	600	0.126	0.104	118	18	2 - 3 - 5	3 - 4 - 9	4 - 6 - 11	5 - 7 - 14
	800	0.224	0.184	157	26	2 - 3 - 7	4 - 6 - 11	5 - 7 - 15	6 - 10 - 19
6" Round	1000	0.350	0.288	196	32	3 - 4 - 9	5 - 7 - 14	6 - 9 - 18	8 - 12 - 24
	1200	0.504	0.414	235	37	3 - 5 - 10	6 - 9 - 17	7 - 11 - 22	10 - 14 - 29
6" Round	1300	0.591	0.486	255	39	4 - 6 - 11	6 - 9 - 18	8 - 12 - 24	10 - 16 - 31
	1400	0.686	0.564	275	41	4 - 6 - 12	7 - 10 - 20	9 - 13 - 26	11 - 17 - 34
18" x 18"	400	0.056	0.046	140	-	2 - 2 - 5	3 - 4 - 8	3 - 5 - 10	4 - 6 - 13
	600	0.126	0.104	209	19	2 - 3 - 7	4 - 6 - 11	5 - 7 - 15	6 - 10 - 19
18" x 18"	800	0.224	0.184	279	27	3 - 5 - 9	5 - 8 - 15	7 - 10 - 20	9 - 13 - 26
	1000	0.350	0.288	349	33	4 - 6 - 11	6 - 9 - 19	8 - 12 - 25	11 - 16 - 32
8" Round	1200	0.504	0.414	419	38	5 - 7 - 14	8 - 11 - 23	10 - 15 - 29	13 - 19 - 39
	1300	0.591	0.486	453	40	5 - 7 - 15	8 - 12 - 25	11 - 16 - 32	14 - 21 - 42
8" Round	1400	0.686	0.564	488	42	5 - 8 - 16	9 - 13 - 26	11 - 17 - 34	15 - 22 - 45
	18" x 18"	400	0.055	0.045	218	-	2 - 3 - 6	3 - 5 - 9	4 - 6 - 12
18" x 18"	600	0.124	0.102	327	20	3 - 4 - 9	5 - 7 - 14	6 - 9 - 18	8 - 12 - 24
	800	0.221	0.181	436	28	4 - 6 - 11	6 - 9 - 19	8 - 12 - 25	11 - 16 - 32
10" Round	1000	0.345	0.283	545	34	5 - 7 - 14	8 - 12 - 24	10 - 15 - 31	13 - 20 - 40
	1200	0.497	0.407	654	39	6 - 9 - 17	9 - 14 - 28	12 - 18 - 37	16 - 24 - 48
10" Round	1300	0.584	0.478	709	41	6 - 9 - 18	10 - 15 - 31	13 - 20 - 40	17 - 26 - 52
	1400	0.677	0.555	763	43	7 - 10 - 20	11 - 17 - 33	14 - 21 - 43	19 - 28 - 56
18" x 18"	400	0.055	0.045	314	-	2 - 3 - 7	4 - 6 - 11	5 - 7 - 15	6 - 10 - 19
	600	0.124	0.102	471	21	3 - 5 - 10	6 - 9 - 17	7 - 11 - 22	10 - 14 - 29
18" x 18"	800	0.221	0.181	628	29	5 - 7 - 14	8 - 11 - 23	10 - 15 - 29	13 - 19 - 39
	1000	0.345	0.283	785	35	6 - 9 - 17	9 - 14 - 28	12 - 18 - 37	16 - 24 - 48
12" Round	1100	0.418	0.342	863	37	6 - 9 - 19	10 - 16 - 31	14 - 20 - 41	18 - 27 - 53
	1200	0.497	0.407	942	39	7 - 10 - 20	11 - 17 - 34	15 - 22 - 44	19 - 29 - 58
12" Round	1300	0.584	0.478	1020	42	7 - 11 - 22	12 - 18 - 37	16 - 24 - 48	21 - 31 - 63
	18" x 18"	400	0.054	0.044	427	10	3 - 4 - 8	4 - 7 - 13	6 - 9 - 17
18" x 18"	600	0.122	0.100	641	21	4 - 6 - 12	7 - 10 - 20	9 - 13 - 26	11 - 17 - 34
	800	0.217	0.177	855	29	5 - 8 - 16	9 - 13 - 26	11 - 17 - 34	15 - 22 - 45
14" Round	1000	0.339	0.277	1068	35	7 - 10 - 20	11 - 17 - 33	14 - 21 - 43	19 - 28 - 56
	1100	0.411	0.335	1175	38	7 - 11 - 22	12 - 18 - 36	16 - 24 - 47	21 - 31 - 62
14" Round	1200	0.489	0.399	1282	40	8 - 12 - 24	13 - 20 - 40	17 - 26 - 52	22 - 34 - 67
	1300	0.573	0.468	1389	42	9 - 13 - 26	14 - 21 - 43	19 - 28 - 56	24 - 37 - 73
18" x 18"	400	0.053	0.043	558	11	3 - 5 - 9	5 - 8 - 15	7 - 10 - 20	9 - 13 - 26
	600	0.120	0.097	837	22	5 - 7 - 14	8 - 11 - 23	10 - 15 - 29	13 - 19 - 39
18" x 18"	800	0.212	0.173	1116	30	6 - 9 - 18	10 - 15 - 30	13 - 20 - 39	17 - 26 - 51
	1000	0.332	0.270	1395	36	8 - 11 - 23	13 - 19 - 38	16 - 25 - 49	21 - 32 - 64
16" Round	1100	0.402	0.326	1535	38	8 - 12 - 25	14 - 21 - 42	18 - 27 - 54	24 - 35 - 71
	1200	0.478	0.388	1674	41	9 - 14 - 27	15 - 23 - 45	20 - 29 - 59	26 - 39 - 77
16" Round	1300	0.561	0.456	1814	43	10 - 15 - 29	16 - 25 - 49	21 - 32 - 64	28 - 42 - 84

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

SHPCR, 5SHPCR Performance Data: Horizontal Throw

METRIC DATA: SHPCR, 5SHPCR (NO DAMPER)

Neck Dim	Neck Vel	Total Pres	Static Pres	Total Flow	NC	Discharge Air Pattern						
						1-Way Throw	2-Way Throw	3 - Side A		3 - Side B		4-Way Throw
								Flow	Throw	Flow	Throw	
mm	m/s	Pa	Pa	L/s		m	m	L/s	m	L/s	m	m
152 x 152	2.0	9.0	6.5	37	-	1.6 - 2.4 - 4.8	1.0 - 1.5 - 3.0	9	0.6 - 0.9 - 1.7	14	0.6 - 1.0 - 1.9	0.6 - 0.9 - 1.7
	3.0	20.3	14.7	56	14	2.4 - 3.6 - 6.5	1.5 - 2.3 - 4.4	14	0.9 - 1.3 - 2.6	21	0.3 - 0.4 - 0.9	0.9 - 1.3 - 2.6
152 Round	4.1	36.0	26.1	74	22	3.2 - 4.8 - 7.5	2.0 - 3.0 - 5.1	19	1.1 - 1.7 - 3.4	28	0.4 - 0.6 - 1.2	1.1 - 1.7 - 3.4
	5.1	56.3	40.8	93	28	4.0 - 6.0 - 8.4	2.5 - 3.8 - 5.7	23	1.4 - 2.2 - 4.3	35	1.6 - 2.4 - 4.8	1.4 - 2.2 - 4.3
	6.1	81.1	58.7	111	33	4.8 - 6.5 - 9.2	3.0 - 4.4 - 6.3	28	1.7 - 2.6 - 5.2	42	1.9 - 2.9 - 5.8	1.7 - 2.6 - 5.2
	7.1	110.4	79.9	130	37	5.7 - 7.1 - 10.0	3.5 - 4.8 - 6.8	32	2.0 - 3.0 - 6.0	49	2.3 - 3.4 - 6.8	2.0 - 3.0 - 6.0
	8.1	144.2	104.4	148	41	6.2 - 7.5 - 10.7	4.0 - 5.1 - 7.2	37	2.3 - 3.4 - 6.9	56	2.6 - 3.9 - 7.6	2.3 - 3.4 - 6.9
229 x 229	2.0	9.0	6.5	37	-	1.6 - 2.4 - 4.8	1.0 - 1.5 - 3.0	9	0.6 - 0.9 - 1.7	14	0.6 - 1.0 - 1.9	0.6 - 0.9 - 1.7
	3.0	20.3	14.7	56	14	2.4 - 3.6 - 6.5	1.5 - 2.3 - 4.4	14	0.9 - 1.3 - 2.6	21	1.0 - 1.5 - 2.9	0.9 - 1.3 - 2.6
152 Round	4.1	36.0	26.1	74	22	3.2 - 4.8 - 7.5	2.0 - 3.0 - 5.1	19	1.1 - 1.7 - 3.4	28	1.3 - 1.9 - 3.9	1.1 - 1.7 - 3.4
	5.1	56.3	40.8	93	28	4.0 - 6.0 - 8.4	2.5 - 3.8 - 5.7	23	1.4 - 2.2 - 4.3	35	1.6 - 2.4 - 4.8	1.4 - 2.2 - 4.3
	6.1	81.1	58.7	111	33	4.8 - 6.5 - 9.2	3.0 - 4.4 - 6.3	28	1.7 - 2.6 - 5.2	42	1.9 - 2.9 - 5.8	1.7 - 2.6 - 5.2
	7.1	110.4	79.9	130	37	5.7 - 7.1 - 10.0	3.5 - 4.8 - 6.8	32	2.0 - 3.0 - 6.0	49	2.3 - 3.4 - 6.8	2.0 - 3.0 - 6.0
	8.1	144.2	104.4	148	41	6.2 - 7.5 - 10.7	4.0 - 5.1 - 7.2	37	2.3 - 3.4 - 6.9	56	2.6 - 3.9 - 7.6	2.3 - 3.4 - 6.9
229 x 229	2.0	8.8	6.3	66	-	2.2 - 3.2 - 6.5	1.3 - 2.0 - 4.0	16	0.8 - 1.1 - 2.3	25	0.9 - 1.3 - 2.6	0.8 - 1.1 - 2.3
	3.0	19.9	14.3	99	15	3.2 - 4.8 - 8.7	2.0 - 3.0 - 5.9	25	1.1 - 1.7 - 3.4	37	1.3 - 1.9 - 3.9	1.1 - 1.7 - 3.4
203 Round	4.1	35.3	25.4	132	23	4.3 - 6.5 - 10.1	2.7 - 4.0 - 6.8	33	1.5 - 2.3 - 4.6	49	1.7 - 2.6 - 5.2	1.5 - 2.3 - 4.6
	5.1	55.2	39.6	165	29	5.4 - 7.9 - 11.2	3.4 - 5.0 - 7.6	41	1.9 - 2.9 - 5.7	62	2.2 - 3.2 - 6.5	1.9 - 2.9 - 5.7
	6.1	79.4	57.1	198	34	6.5 - 8.7 - 12.3	4.0 - 5.9 - 8.4	49	2.3 - 3.4 - 6.9	74	2.6 - 3.9 - 7.8	2.3 - 3.4 - 6.9
	7.1	108.1	77.7	230	38	7.5 - 9.4 - 13.3	4.7 - 6.4 - 9.0	58	2.7 - 4.0 - 8.0	86	3.0 - 4.5 - 9.0	2.7 - 4.0 - 8.0
	8.1	141.2	101.4	263	42	8.2 - 10.1 - 14.2	5.4 - 6.8 - 9.6	66	3.1 - 4.6 - 9.2	99	3.4 - 5.2 - 10.2	3.1 - 4.6 - 9.2
305 x 305	2.0	8.8	6.3	66	-	2.2 - 3.2 - 6.5	1.3 - 2.0 - 4.0	16	0.8 - 1.1 - 2.3	25	0.9 - 1.3 - 2.6	0.8 - 1.1 - 2.3
	3.0	19.9	14.3	99	15	3.2 - 4.8 - 8.7	2.0 - 3.0 - 5.9	25	1.1 - 1.7 - 3.4	37	1.3 - 1.9 - 3.9	1.1 - 1.7 - 3.4
203 Round	4.1	35.3	25.4	132	23	4.3 - 6.5 - 10.1	2.7 - 4.0 - 6.8	33	1.5 - 2.3 - 4.6	49	1.7 - 2.6 - 5.2	1.5 - 2.3 - 4.6
	5.1	55.2	39.6	165	29	5.4 - 7.9 - 11.2	3.4 - 5.0 - 7.6	41	1.9 - 2.9 - 5.7	62	2.2 - 3.2 - 6.5	1.9 - 2.9 - 5.7
	6.1	79.4	57.1	198	34	6.5 - 8.7 - 12.3	4.0 - 5.9 - 8.4	49	2.3 - 3.4 - 6.9	74	2.6 - 3.9 - 7.8	2.3 - 3.4 - 6.9
	7.1	108.1	77.7	230	38	7.5 - 9.4 - 13.3	4.7 - 6.4 - 9.0	58	2.7 - 4.0 - 8.0	86	3.0 - 4.5 - 9.0	2.7 - 4.0 - 8.0
	7.6	124.1	89.2	247	40	7.9 - 9.7 - 13.8	5.0 - 6.6 - 9.3	62	2.9 - 4.3 - 8.6	93	3.2 - 4.8 - 9.7	2.9 - 4.3 - 8.6
305 x 305	2.0	8.6	6.1	103	-	2.7 - 4.0 - 8.1	1.7 - 2.5 - 5.0	26	1.0 - 1.4 - 2.9	39	1.1 - 1.6 - 3.2	1.0 - 1.4 - 2.9
	3.0	19.3	13.7	154	16	4.0 - 6.1 - 10.9	2.5 - 3.8 - 7.4	39	1.4 - 2.2 - 4.3	58	1.6 - 2.4 - 4.8	1.4 - 2.2 - 4.3
254 Round	4.1	34.3	24.4	206	24	5.4 - 8.1 - 12.6	3.4 - 5.0 - 8.5	51	1.9 - 2.9 - 5.7	77	2.2 - 3.2 - 6.5	1.9 - 2.9 - 5.7
	4.6	43.5	30.9	231	27	6.1 - 9.1 - 13.3	3.8 - 5.7 - 9.0	58	2.2 - 3.2 - 6.5	87	2.4 - 3.6 - 7.3	2.2 - 3.2 - 6.5
	5.1	53.7	38.1	257	30	6.7 - 9.9 - 14.1	4.2 - 6.3 - 9.5	64	2.4 - 3.6 - 7.2	96	2.7 - 4.0 - 8.1	2.4 - 3.6 - 7.2
	6.1	77.3	54.9	309	35	8.1 - 10.9 - 15.4	5.0 - 7.4 - 10.4	77	2.9 - 4.3 - 8.6	116	3.2 - 4.8 - 9.7	2.9 - 4.3 - 8.6
	7.1	105.2	74.8	360	39	9.4 - 11.8 - 16.6	5.9 - 8.0 - 11.3	90	3.4 - 5.0 - 10.1	135	3.8 - 5.7 - 11.3	3.4 - 5.0 - 10.1
305 x 305	2.0	8.3	5.8	148	-	3.2 - 4.8 - 9.7	2.0 - 3.0 - 6.0	37	1.1 - 1.7 - 3.4	56	1.3 - 1.9 - 3.9	1.1 - 1.7 - 3.4
	3.0	18.7	13.1	222	17	4.8 - 7.3 - 13.1	3.0 - 4.5 - 8.9	56	1.7 - 2.6 - 5.2	83	1.9 - 2.9 - 5.8	1.7 - 2.6 - 5.2
305 Round	4.1	33.2	23.2	296	25	6.5 - 9.7 - 15.1	4.0 - 6.0 - 10.2	74	2.3 - 3.4 - 6.9	111	2.6 - 3.9 - 7.8	2.3 - 3.4 - 6.9
	4.6	42.0	29.4	333	28	7.3 - 10.9 - 16.0	4.5 - 6.8 - 10.9	83	2.6 - 3.9 - 7.8	125	2.9 - 4.4 - 8.7	2.6 - 3.9 - 7.8
	5.1	51.8	36.3	370	31	8.1 - 11.9 - 16.9	5.0 - 7.5 - 11.4	93	2.9 - 4.3 - 8.6	139	3.2 - 4.8 - 9.7	2.9 - 4.3 - 8.6
	6.1	74.7	52.3	444	35	9.7 - 13.1 - 18.5	6.0 - 8.9 - 12.5	111	3.4 - 5.2 - 10.3	167	3.9 - 5.8 - 11.6	3.4 - 5.2 - 10.3
	7.1	101.6	71.2	519	40	11.3 - 14.1 - 20.0	7.0 - 9.6 - 13.5	130	4.0 - 6.0 - 12.1	194	4.5 - 6.8 - 13.6	4.0 - 6.0 - 12.1
381 x 381	2.0	8.3	5.8	148	-	3.2 - 4.8 - 9.7	2.0 - 3.0 - 6.0	37	1.1 - 1.7 - 3.4	56	1.3 - 1.9 - 3.9	1.1 - 1.7 - 3.4
	3.0	18.7	13.1	222	17	4.8 - 7.3 - 13.1	3.0 - 4.5 - 8.9	56	1.7 - 2.6 - 5.2	83	1.9 - 2.9 - 5.8	1.7 - 2.6 - 5.2
305 Round	4.1	33.2	23.2	296	25	6.5 - 9.7 - 15.1	4.0 - 6.0 - 10.2	74	2.3 - 3.4 - 6.9	111	2.6 - 3.9 - 7.8	2.3 - 3.4 - 6.9
	4.6	42.0	29.4	333	28	7.3 - 10.9 - 16.0	4.5 - 6.8 - 10.9	83	2.6 - 3.9 - 7.8	125	2.9 - 4.4 - 8.7	2.6 - 3.9 - 7.8
	5.1	51.8	36.3	370	31	8.1 - 11.9 - 16.9	5.0 - 7.5 - 11.4	93	2.9 - 4.3 - 8.6	139	3.2 - 4.8 - 9.7	2.9 - 4.3 - 8.6
	6.1	74.7	52.3	444	35	9.7 - 13.1 - 18.5	6.0 - 8.9 - 12.5	111	3.4 - 5.2 - 10.3	167	3.9 - 5.8 - 11.6	3.4 - 5.2 - 10.3
	7.1	101.6	71.2	519	40	11.3 - 14.1 - 20.0	7.0 - 9.6 - 13.5	130	4.0 - 6.0 - 12.1	194	4.5 - 6.8 - 13.6	4.0 - 6.0 - 12.1

NOTES: Throw values are given for isothermal conditions and terminal velocities of 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 value of less than 10. Data was obtained from tests conducted in accordance with ANSI/ASHRAE Standard 70. The throw values given for 1-Throw is for [Total L/s] L/s per side. The throw values given for 2-Throw is for [(Total L/s)/2] L/s per side. The throw values given for 4-Throw is for [(Total L/s)/4] L/s per side. Reference page B1-87 for 'Side A' and 'Side B' detail. See Krueger's selection software for performance data not shown, including octave band data.

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SHPCR, 5SHPCR Performance Data: Horizontal Throw
METRIC DATA: SHPCR, 5SHPCR (NO DAMPER)

Neck Dim	Neck Vel	Total Pres	Static Pres	Total Flow	NC	Discharge Air Pattern						
						1-Way Throw	2-Way Throw	3 - Side A		3 - Side B		4-Way Throw
								Flow	Throw	Flow	Throw	
mm	m/s	Pa	Pa	L/s		m	m	L/s	m	L/s	m	m
381 x 381	2.0	8.0	5.5	202	-	3.8 - 5.7 - 11.3	2.3 - 3.5 - 7.0	50	1.3 - 2.0 - 4.0	76	1.5 - 2.3 - 4.5	1.3 - 2.0 - 4.0
	3.0	17.9	12.3	302	17	5.7 - 8.5 - 15.2	3.5 - 5.3 - 10.3	76	2.0 - 3.0 - 6.0	113	2.3 - 3.4 - 6.8	2.0 - 3.0 - 6.0
356 Round	4.1	31.8	21.9	403	25	7.5 - 11.3 - 17.6	4.7 - 7.0 - 11.9	101	2.7 - 4.0 - 8.0	151	3.0 - 4.5 - 9.0	2.7 - 4.0 - 8.0
	4.6	40.3	27.7	454	28	8.5 - 12.7 - 18.7	5.3 - 7.9 - 12.7	113	3.0 - 4.5 - 9.0	170	3.4 - 5.1 - 10.2	3.0 - 4.5 - 9.0
457 Round	5.1	49.7	34.2	504	31	9.4 - 13.9 - 19.7	5.9 - 8.8 - 13.3	126	3.4 - 5.0 - 10.1	189	3.8 - 5.7 - 11.3	3.4 - 5.0 - 10.1
	6.1	71.6	49.2	605	36	11.3 - 15.2 - 21.5	7.0 - 10.3 - 14.6	151	4.0 - 6.0 - 12.1	227	4.5 - 6.8 - 13.6	4.0 - 6.0 - 12.1
	7.1	97.4	67.0	706	40	13.2 - 16.5 - 23.3	8.2 - 11.2 - 15.8	176	4.7 - 7.0 - 14.1	265	5.3 - 7.9 - 15.8	4.7 - 7.0 - 14.1
457 x 457	2.0	9.0	6.5	37	-	1.6 - 2.4 - 4.8	1.0 - 1.5 - 3.0	9	0.6 - 0.9 - 1.7	14	0.6 - 1.0 - 1.9	0.6 - 0.9 - 1.7
	3.0	20.3	14.7	56	14	2.4 - 3.6 - 6.5	1.5 - 2.3 - 4.4	14	0.9 - 1.3 - 2.6	21	1.0 - 1.5 - 2.9	0.9 - 1.3 - 2.6
152 Round	4.1	36.0	26.1	74	22	3.2 - 4.8 - 7.5	2.0 - 3.0 - 5.1	19	1.1 - 1.7 - 3.4	28	1.3 - 1.9 - 3.9	1.1 - 1.7 - 3.4
	5.1	56.3	40.8	93	28	4.0 - 6.0 - 8.4	2.5 - 3.8 - 5.7	23	1.4 - 2.2 - 4.3	35	1.6 - 2.4 - 4.8	1.4 - 2.2 - 4.3
457 Round	6.1	81.1	58.7	111	33	4.8 - 6.5 - 9.2	3.0 - 4.4 - 6.3	28	1.7 - 2.6 - 5.2	42	1.9 - 2.9 - 5.8	1.7 - 2.6 - 5.2
	6.6	95.2	68.9	120	35	5.3 - 6.8 - 9.6	3.3 - 4.6 - 6.5	30	1.9 - 2.8 - 5.6	45	2.1 - 3.2 - 6.3	1.9 - 2.8 - 5.6
	7.1	110.4	79.9	130	37	5.7 - 7.1 - 10.0	3.5 - 4.8 - 6.8	32	2.0 - 3.0 - 6.0	49	2.3 - 3.4 - 6.8	2.0 - 3.0 - 6.0
457 x 457	2.0	9.0	6.5	66	-	2.2 - 3.2 - 6.5	1.3 - 2.0 - 4.0	16	0.8 - 1.1 - 2.3	25	0.9 - 1.3 - 2.6	0.8 - 1.1 - 2.3
	3.0	20.3	14.7	99	15	3.2 - 4.8 - 8.7	2.0 - 3.0 - 5.9	25	1.1 - 1.7 - 3.4	37	1.3 - 1.9 - 3.9	1.1 - 1.7 - 3.4
203 Round	4.1	36.0	26.1	132	23	4.3 - 6.5 - 10.1	2.7 - 4.0 - 6.8	33	1.5 - 2.3 - 4.6	49	1.7 - 2.6 - 5.2	1.5 - 2.3 - 4.6
	5.1	56.3	40.8	165	29	5.4 - 7.9 - 11.2	3.4 - 5.0 - 7.6	41	1.9 - 2.9 - 5.7	62	2.2 - 3.2 - 6.5	1.9 - 2.9 - 5.7
457 Round	6.1	81.1	58.7	198	34	6.5 - 8.7 - 12.3	4.0 - 5.9 - 8.4	49	2.3 - 3.4 - 6.9	74	2.6 - 3.9 - 7.8	2.3 - 3.4 - 6.9
	7.1	110.4	79.9	230	38	7.5 - 9.4 - 13.3	4.7 - 6.4 - 9.0	58	2.7 - 4.0 - 8.0	86	3.0 - 4.5 - 9.0	2.7 - 4.0 - 8.0
	7.6	126.7	91.8	247	40	7.9 - 9.7 - 13.8	5.0 - 6.6 - 9.3	62	2.9 - 4.3 - 8.6	93	3.2 - 4.8 - 9.7	2.9 - 4.3 - 8.6
457 x 457	2.0	8.8	6.3	103	-	2.7 - 4.0 - 8.1	1.7 - 2.5 - 5.0	26	1.0 - 1.4 - 2.9	39	1.1 - 1.6 - 3.2	1.0 - 1.4 - 2.9
	3.0	19.9	14.3	154	16	4.0 - 6.1 - 10.9	2.5 - 3.8 - 7.4	39	1.4 - 2.2 - 4.3	58	1.6 - 2.4 - 4.8	1.4 - 2.2 - 4.3
254 Round	4.1	35.3	25.4	206	24	5.4 - 8.1 - 12.6	3.4 - 5.0 - 8.5	51	1.9 - 2.9 - 5.7	77	2.2 - 3.2 - 6.5	1.9 - 2.9 - 5.7
	4.6	44.7	32.1	231	27	6.1 - 9.1 - 13.3	3.8 - 5.7 - 9.0	58	2.2 - 3.2 - 6.5	87	2.4 - 3.6 - 7.3	2.2 - 3.2 - 6.5
457 Round	5.1	55.2	39.6	257	30	6.7 - 9.9 - 14.1	4.2 - 6.3 - 9.5	64	2.4 - 3.6 - 7.2	96	2.7 - 4.0 - 8.1	2.4 - 3.6 - 7.2
	6.1	79.4	57.1	309	35	8.1 - 10.9 - 15.4	5.0 - 7.4 - 10.4	77	2.9 - 4.3 - 8.6	116	3.2 - 4.8 - 9.7	2.9 - 4.3 - 8.6
	7.1	108.1	77.7	360	39	9.4 - 11.8 - 16.6	5.9 - 8.0 - 11.3	90	3.4 - 5.0 - 10.1	135	3.8 - 5.7 - 11.3	3.4 - 5.0 - 10.1
457 x 457	2.0	8.8	6.3	148	-	3.2 - 4.8 - 9.7	2.0 - 3.0 - 6.0	37	1.1 - 1.7 - 3.4	56	1.3 - 1.9 - 3.9	1.1 - 1.7 - 3.4
	3.0	19.9	14.3	222	17	4.8 - 7.3 - 13.1	3.0 - 4.5 - 8.9	56	1.7 - 2.6 - 5.2	83	1.9 - 2.9 - 5.8	1.7 - 2.6 - 5.2
305 Round	4.1	35.3	25.4	296	25	6.5 - 9.7 - 15.1	4.0 - 6.0 - 10.2	74	2.3 - 3.4 - 6.9	111	2.6 - 3.9 - 7.8	2.3 - 3.4 - 6.9
	4.6	44.7	32.1	333	28	7.3 - 10.9 - 16.0	4.5 - 6.8 - 10.9	83	2.6 - 3.9 - 7.8	125	2.9 - 4.4 - 8.7	2.6 - 3.9 - 7.8
457 Round	5.1	55.2	39.6	370	31	8.1 - 11.9 - 16.9	5.0 - 7.5 - 11.4	93	2.9 - 4.3 - 8.6	139	3.2 - 4.8 - 9.7	2.9 - 4.3 - 8.6
	6.1	79.4	57.1	444	35	9.7 - 13.1 - 18.5	6.0 - 8.9 - 12.5	111	3.4 - 5.2 - 10.3	167	3.9 - 5.8 - 11.6	3.4 - 5.2 - 10.3
	7.1	108.1	77.7	519	40	11.3 - 14.1 - 20.0	7.0 - 9.6 - 13.5	130	4.0 - 6.0 - 12.1	194	4.5 - 6.8 - 13.6	4.0 - 6.0 - 12.1
457 x 457	2.0	8.6	6.1	202	-	3.8 - 5.7 - 11.3	2.3 - 3.5 - 7.0	50	1.3 - 2.0 - 4.0	76	1.5 - 2.3 - 4.5	1.3 - 2.0 - 4.0
	3.0	19.3	13.7	302	17	5.7 - 8.5 - 15.2	3.5 - 5.3 - 10.3	76	2.0 - 3.0 - 6.0	113	2.3 - 3.4 - 6.8	2.0 - 3.0 - 6.0
356 Round	4.1	34.3	24.4	403	25	7.5 - 11.3 - 17.6	4.7 - 7.0 - 11.9	101	2.7 - 4.0 - 8.0	151	3.0 - 4.5 - 9.0	2.7 - 4.0 - 8.0
	4.6	43.5	30.9	454	28	8.5 - 12.7 - 18.7	5.3 - 7.9 - 12.7	113	3.0 - 4.5 - 9.0	170	3.4 - 5.1 - 10.2	3.0 - 4.5 - 9.0
457 Round	5.1	53.7	38.1	504	31	9.4 - 13.9 - 19.7	5.9 - 8.8 - 13.3	126	3.4 - 5.0 - 10.1	189	3.8 - 5.7 - 11.3	3.4 - 5.0 - 10.1
	6.1	77.3	54.9	605	36	11.3 - 15.2 - 21.5	7.0 - 10.3 - 14.6	151	4.0 - 6.0 - 12.1	227	4.5 - 6.8 - 13.6	4.0 - 6.0 - 12.1
	7.1	105.2	74.8	706	40	13.2 - 16.5 - 23.3	8.2 - 11.2 - 15.8	176	4.7 - 7.0 - 14.1	265	5.3 - 7.9 - 15.8	4.7 - 7.0 - 14.1
457 x 457	2.0	8.3	5.8	263	-	4.3 - 6.5 - 12.9	2.7 - 4.0 - 8.0	66	1.5 - 2.3 - 4.6	99	1.7 - 2.6 - 5.2	1.5 - 2.3 - 4.6
	3.0	18.7	13.1	395	18	6.5 - 9.7 - 17.4	4.0 - 6.0 - 11.8	99	2.3 - 3.4 - 6.9	148	2.6 - 3.9 - 7.8	2.3 - 3.4 - 6.9
406 Round	4.1	33.2	23.2	527	26	8.6 - 12.9 - 20.1	5.4 - 8.0 - 13.6	132	3.1 - 4.6 - 9.2	198	3.4 - 5.2 - 10.3	3.1 - 4.6 - 9.2
	4.6	42.0	29.4	593	29	9.7 - 14.5 - 21.3	6.0 - 9.0 - 14.5	148	3.4 - 5.2 - 10.3	222	3.9 - 5.8 - 11.6	3.4 - 5.2 - 10.3
457 Round	5.1	51.8	36.3	658	32	10.8 - 15.9 - 22.5	6.7 - 10.1 - 15.3	165	3.8 - 5.7 - 11.5	247	4.3 - 6.5 - 12.9	3.8 - 5.7 - 11.5
	6.1	74.7	52.3	790	37	12.9 - 17.4 - 24.6	8.0 - 11.8 - 16.7	198	4.6 - 6.9 - 13.8	296	5.2 - 7.8 - 15.5	4.6 - 6.9 - 13.8
	7.1	101.6	71.2	922	41	15.1 - 18.8 - 26.6	9.4 - 12.8 - 18.1	230	5.4 - 8.0 - 16.1	346	6.0 - 9.0 - 18.1	5.4 - 8.0 - 16.1

NOTES: Throw values are given for isothermal conditions and terminal velocities of 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 value of less than 10. Data was obtained from tests conducted in accordance with ANSI/ASHRAE Standard 70. The throw values given for 1-Throw is for [Total L/s] L/s per side. The throw values given for 2-Throw is for [(Total L/s)/2] L/s per side. The throw values given for 4-Throw is for [(Total L/s)/4] L/s per side. Reference page B1-87 for 'Side A' and 'Side B' detail. See Krueger's selection software for performance data not shown, including octave band data.

SHPCR, 5SHPCR Performance Data: Vertical Throw

METRIC DATA: SHPCR, 5SHPCR (NO DAMPER)

Neck Dim	Neck Vel	Total Pres	Static Pres	Total Flow	NC	Discharge Air Pattern			
						Vert Δ + 40°F Throw	Vert Δ + 20°F Throw	Vert Δ + 0°F Throw	Vert Δ - 20°F Throw
						m	m	m	m
152 x 152	2.0	13.9	11.5	37.0	-	0.3 - 0.5 - 1.0	0.6 - 0.9 - 1.7	0.7 - 1.1 - 2.2	1.0 - 1.5 - 2.9
	3.0	31.4	25.8	55.6	18	0.5 - 0.8 - 1.6	0.9 - 1.3 - 2.6	1.1 - 1.7 - 3.4	1.5 - 2.2 - 4.4
	4.1	55.8	45.8	74.1	26	0.7 - 1.0 - 2.1	1.1 - 1.7 - 3.4	1.5 - 2.2 - 4.5	2.0 - 2.9 - 5.9
	5.1	87.1	71.6	92.6	32	0.9 - 1.3 - 2.6	1.4 - 2.2 - 4.3	1.9 - 2.8 - 5.6	2.4 - 3.7 - 7.3
	5.6	105.4	86.7	101.9	35	0.9 - 1.4 - 2.8	1.6 - 2.4 - 4.7	2.1 - 3.1 - 6.2	2.7 - 4.0 - 8.1
	6.1	125.5	103.1	111.1	37	1.0 - 1.6 - 3.1	1.7 - 2.6 - 5.2	2.2 - 3.4 - 6.7	2.9 - 4.4 - 8.8
152 Round	6.6	147.3	121.0	120.4	39	1.1 - 1.7 - 3.4	1.9 - 2.8 - 5.6	2.4 - 3.6 - 7.3	3.2 - 4.8 - 9.5
	2.0	13.9	11.5	37.0	-	0.3 - 0.5 - 1.0	0.6 - 0.9 - 1.7	0.7 - 1.1 - 2.2	1.0 - 1.5 - 2.9
229 x 229	3.0	31.4	25.8	55.6	18	0.5 - 0.8 - 1.6	0.9 - 1.3 - 2.6	1.1 - 1.7 - 3.4	1.5 - 2.2 - 4.4
	4.1	55.8	45.8	74.1	26	0.7 - 1.0 - 2.1	1.1 - 1.7 - 3.4	1.5 - 2.2 - 4.5	2.0 - 2.9 - 5.9
	5.1	87.1	71.6	92.6	32	0.9 - 1.3 - 2.6	1.4 - 2.2 - 4.3	1.9 - 2.8 - 5.6	2.4 - 3.7 - 7.3
	5.6	105.4	86.7	101.9	35	0.9 - 1.4 - 2.8	1.6 - 2.4 - 4.7	2.1 - 3.1 - 6.2	2.7 - 4.0 - 8.1
	6.1	125.5	103.1	111.1	37	1.0 - 1.6 - 3.1	1.7 - 2.6 - 5.2	2.2 - 3.4 - 6.7	2.9 - 4.4 - 8.8
	6.6	147.3	121.0	120.4	39	1.1 - 1.7 - 3.4	1.9 - 2.8 - 5.6	2.4 - 3.6 - 7.3	3.2 - 4.8 - 9.5
229 Round	2.0	13.8	11.3	65.8	-	0.5 - 0.7 - 1.4	0.8 - 1.1 - 2.3	1.0 - 1.5 - 3.0	1.3 - 2.0 - 3.9
	3.0	31.0	25.4	98.8	19	0.7 - 1.0 - 2.1	1.1 - 1.7 - 3.4	1.5 - 2.2 - 4.5	2.0 - 2.9 - 5.9
229 x 229	4.1	55.0	45.1	131.7	27	0.9 - 1.4 - 2.8	1.5 - 2.3 - 4.6	2.0 - 3.0 - 6.0	2.6 - 3.9 - 7.8
	5.1	86.0	70.5	164.6	33	1.1 - 1.7 - 3.4	1.9 - 2.9 - 5.7	2.5 - 3.7 - 7.5	3.3 - 4.9 - 9.8
	5.6	104.0	85.3	181.1	36	1.3 - 1.9 - 3.8	2.1 - 3.2 - 6.3	2.7 - 4.1 - 8.2	3.6 - 5.4 - 10.7
	6.1	123.8	101.5	197.5	38	1.4 - 2.1 - 4.1	2.3 - 3.4 - 6.9	3.0 - 4.5 - 9.0	3.9 - 5.9 - 11.7
	6.6	145.3	119.1	214.0	40	1.5 - 2.2 - 4.5	2.5 - 3.7 - 7.5	3.2 - 4.9 - 9.7	4.2 - 6.3 - 12.7
	2.0	13.8	11.3	65.8	-	0.5 - 0.7 - 1.4	0.8 - 1.1 - 2.3	1.0 - 1.5 - 3.0	1.3 - 2.0 - 3.9
229 Round	3.0	31.0	25.4	98.8	19	0.7 - 1.0 - 2.1	1.1 - 1.7 - 3.4	1.5 - 2.2 - 4.5	2.0 - 2.9 - 5.9
	4.1	55.0	45.1	131.7	27	0.9 - 1.4 - 2.8	1.5 - 2.3 - 4.6	2.0 - 3.0 - 6.0	2.6 - 3.9 - 7.8
	5.1	86.0	70.5	164.6	33	1.1 - 1.7 - 3.4	1.9 - 2.9 - 5.7	2.5 - 3.7 - 7.5	3.3 - 4.9 - 9.8
	5.6	104.0	85.3	181.1	36	1.3 - 1.9 - 3.8	2.1 - 3.2 - 6.3	2.7 - 4.1 - 8.2	3.6 - 5.4 - 10.7
	6.1	123.8	101.5	197.5	38	1.4 - 2.1 - 4.1	2.3 - 3.4 - 6.9	3.0 - 4.5 - 9.0	3.9 - 5.9 - 11.7
	6.6	145.3	119.1	214.0	40	1.5 - 2.2 - 4.5	2.5 - 3.7 - 7.5	3.2 - 4.9 - 9.7	4.2 - 6.3 - 12.7
305 x 305	2.0	13.5	11.0	102.9	-	0.6 - 0.9 - 1.7	1.0 - 1.4 - 2.9	1.2 - 1.9 - 3.7	1.6 - 2.4 - 4.9
	3.0	30.4	24.8	154.3	20	0.9 - 1.3 - 2.6	1.4 - 2.2 - 4.3	1.9 - 2.8 - 5.6	2.4 - 3.7 - 7.3
	4.1	54.1	44.1	205.8	28	1.1 - 1.7 - 3.4	1.9 - 2.9 - 5.7	2.5 - 3.7 - 7.5	3.3 - 4.9 - 9.8
	5.1	84.5	69.0	257.2	34	1.4 - 2.2 - 4.3	2.4 - 3.6 - 7.2	3.1 - 4.7 - 9.3	4.1 - 6.1 - 12.2
	5.6	102.2	83.4	282.9	36	1.6 - 2.4 - 4.7	2.6 - 3.9 - 7.9	3.4 - 5.1 - 10.3	4.5 - 6.7 - 13.4
	6.1	121.7	99.3	308.7	39	1.7 - 2.6 - 5.2	2.9 - 4.3 - 8.6	3.7 - 5.6 - 11.2	4.9 - 7.3 - 14.7
305 Round	6.6	142.8	116.6	334.4	41	1.9 - 2.8 - 5.6	3.1 - 4.7 - 9.3	4.0 - 6.1 - 12.1	5.3 - 7.9 - 15.9
	2.0	13.2	10.7	148.2	-	0.7 - 1.0 - 2.1	1.1 - 1.7 - 3.4	1.5 - 2.2 - 4.5	2.0 - 2.9 - 5.9
305 x 305	3.0	29.8	24.2	222.2	21	1.0 - 1.6 - 3.1	1.7 - 2.6 - 5.2	2.2 - 3.4 - 6.7	2.9 - 4.4 - 8.8
	4.1	52.9	43.0	296.3	29	1.4 - 2.1 - 4.1	2.3 - 3.4 - 6.9	3.0 - 4.5 - 9.0	3.9 - 5.9 - 11.7
	5.1	82.7	67.1	370.4	35	1.7 - 2.6 - 5.2	2.9 - 4.3 - 8.6	3.7 - 5.6 - 11.2	4.9 - 7.3 - 14.7
	5.6	100.0	81.2	407.4	37	1.9 - 2.8 - 5.7	3.2 - 4.7 - 9.5	4.1 - 6.2 - 12.3	5.4 - 8.1 - 16.1
	6.1	119.0	96.7	444.5	39	2.1 - 3.1 - 6.2	3.4 - 5.2 - 10.3	4.5 - 6.7 - 13.4	5.9 - 8.8 - 17.6
	6.6	139.7	113.5	481.5	42	2.2 - 3.4 - 6.7	3.7 - 5.6 - 11.2	4.9 - 7.3 - 14.6	6.3 - 9.5 - 19.0
305 Round	2.0	13.2	10.7	148.2	-	0.7 - 1.0 - 2.1	1.1 - 1.7 - 3.4	1.5 - 2.2 - 4.5	2.0 - 2.9 - 5.9
	3.0	29.8	24.2	222.2	21	1.0 - 1.6 - 3.1	1.7 - 2.6 - 5.2	2.2 - 3.4 - 6.7	2.9 - 4.4 - 8.8
	4.1	52.9	43.0	296.3	29	1.4 - 2.1 - 4.1	2.3 - 3.4 - 6.9	3.0 - 4.5 - 9.0	3.9 - 5.9 - 11.7
	5.1	82.7	67.1	370.4	35	1.7 - 2.6 - 5.2	2.9 - 4.3 - 8.6	3.7 - 5.6 - 11.2	4.9 - 7.3 - 14.7
	5.6	100.0	81.2	407.4	37	1.9 - 2.8 - 5.7	3.2 - 4.7 - 9.5	4.1 - 6.2 - 12.3	5.4 - 8.1 - 16.1
	6.1	119.0	96.7	444.5	39	2.1 - 3.1 - 6.2	3.4 - 5.2 - 10.3	4.5 - 6.7 - 13.4	5.9 - 8.8 - 17.6
381 Round	6.6	139.7	113.5	481.5	42	2.2 - 3.4 - 6.7	3.7 - 5.6 - 11.2	4.9 - 7.3 - 14.6	6.3 - 9.5 - 19.0

NOTES: Throw values are given for temperature differences shown and terminal velocities of 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 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.

LOUVERED FACE DIFFUSERS

SHPCR - 5SHPCR

SHPCR, 5SHPCR Performance Data: Vertical Throw
METRIC DATA: SHPCR, 5SHPCR (NO DAMPER)

Neck Dim	Neck Vel	Total Pres	Static Pres	Total Flow	NC	Discharge Air Pattern			
						Vert Δ+ 40°F Throw	Vert Δ + 20°F Throw	Vert Δ + 0°F Throw	Vert Δ - 20°F Throw
						m	m	m	m
381 x	2.0	12.9	10.4	201.7	10	0.8 - 1.2 - 2.4	1.3 - 2.0 - 4.0	1.7 - 2.6 - 5.2	2.3 - 3.4 - 6.8
	3.0	29.0	23.4	302.5	21	1.2 - 1.8 - 3.6	2.0 - 3.0 - 6.0	2.6 - 3.9 - 7.8	3.4 - 5.1 - 10.3
381	4.1	51.5	41.6	403.3	29	1.6 - 2.4 - 4.8	2.7 - 4.0 - 8.0	3.5 - 5.2 - 10.5	4.6 - 6.8 - 13.7
	5.1	80.5	65.0	504.1	35	2.0 - 3.0 - 6.0	3.4 - 5.0 - 10.1	4.4 - 6.5 - 13.1	5.7 - 8.5 - 17.1
356 Round	5.6	97.4	78.6	554.5	38	2.2 - 3.3 - 6.6	3.7 - 5.5 - 11.1	4.8 - 7.2 - 14.4	6.3 - 9.4 - 18.8
	6.1	115.9	93.6	605.0	40	2.4 - 3.6 - 7.2	4.0 - 6.0 - 12.1	5.2 - 7.8 - 15.7	6.8 - 10.3 - 20.5
	6.6	136.1	109.8	655.4	42	2.6 - 3.9 - 7.8	4.4 - 6.5 - 13.1	5.7 - 8.5 - 17.0	7.4 - 11.1 - 22.2
457 x	2.0	13.9	11.5	37.0	-	0.3 - 0.5 - 1.0	0.6 - 0.9 - 1.7	0.7 - 1.1 - 2.2	1.0 - 1.5 - 2.9
	3.0	31.4	25.8	55.6	18	0.5 - 0.8 - 1.6	0.9 - 1.3 - 2.6	1.1 - 1.7 - 3.4	1.5 - 2.2 - 4.4
457	4.1	55.8	45.8	74.1	26	0.7 - 1.0 - 2.1	1.1 - 1.7 - 3.4	1.5 - 2.2 - 4.5	2.0 - 2.9 - 5.9
	5.1	87.1	71.6	92.6	32	0.9 - 1.3 - 2.6	1.4 - 2.2 - 4.3	1.9 - 2.8 - 5.6	2.4 - 3.7 - 7.3
152 Round	6.1	125.5	103.1	111.1	37	1.0 - 1.6 - 3.1	1.7 - 2.6 - 5.2	2.2 - 3.4 - 6.7	2.9 - 4.4 - 8.8
	6.6	147.3	121.0	120.4	39	1.1 - 1.7 - 3.4	1.9 - 2.8 - 5.6	2.4 - 3.6 - 7.3	3.2 - 4.8 - 9.5
	7.1	170.8	140.4	129.6	41	1.2 - 1.8 - 3.6	2.0 - 3.0 - 6.0	2.6 - 3.9 - 7.8	3.4 - 5.1 - 10.3
457 x	2.0	13.9	11.5	65.8	-	0.5 - 0.7 - 1.4	0.8 - 1.1 - 2.3	1.0 - 1.5 - 3.0	1.3 - 2.0 - 3.9
	3.0	31.4	25.8	98.8	19	0.7 - 1.0 - 2.1	1.1 - 1.7 - 3.4	1.5 - 2.2 - 4.5	2.0 - 2.9 - 5.9
457	4.1	55.8	45.8	131.7	27	0.9 - 1.4 - 2.8	1.5 - 2.3 - 4.6	2.0 - 3.0 - 6.0	2.6 - 3.9 - 7.8
	5.1	87.1	71.6	164.6	33	1.1 - 1.7 - 3.4	1.9 - 2.9 - 5.7	2.5 - 3.7 - 7.5	3.3 - 4.9 - 9.8
203 Round	6.1	125.5	103.1	197.5	38	1.4 - 2.1 - 4.1	2.3 - 3.4 - 6.9	3.0 - 4.5 - 9.0	3.9 - 5.9 - 11.7
	6.6	147.3	121.0	214.0	40	1.5 - 2.2 - 4.5	2.5 - 3.7 - 7.5	3.2 - 4.9 - 9.7	4.2 - 6.3 - 12.7
	7.1	170.8	140.4	230.5	42	1.6 - 2.4 - 4.8	2.7 - 4.0 - 8.0	3.5 - 5.2 - 10.5	4.6 - 6.8 - 13.7
457 x	2.0	13.8	11.3	102.9	-	0.6 - 0.9 - 1.7	1.0 - 1.4 - 2.9	1.2 - 1.9 - 3.7	1.6 - 2.4 - 4.9
	3.0	31.0	25.4	154.3	20	0.9 - 1.3 - 2.6	1.4 - 2.2 - 4.3	1.9 - 2.8 - 5.6	2.4 - 3.7 - 7.3
457	4.1	55.0	45.1	205.8	28	1.1 - 1.7 - 3.4	1.9 - 2.9 - 5.7	2.5 - 3.7 - 7.5	3.3 - 4.9 - 9.8
	5.1	86.0	70.5	257.2	34	1.4 - 2.2 - 4.3	2.4 - 3.6 - 7.2	3.1 - 4.7 - 9.3	4.1 - 6.1 - 12.2
254 Round	6.1	123.8	101.5	308.7	39	1.7 - 2.6 - 5.2	2.9 - 4.3 - 8.6	3.7 - 5.6 - 11.2	4.9 - 7.3 - 14.7
	6.6	145.3	119.1	334.4	41	1.9 - 2.8 - 5.6	3.1 - 4.7 - 9.3	4.0 - 6.1 - 12.1	5.3 - 7.9 - 15.9
	7.1	168.5	138.1	360.1	43	2.0 - 3.0 - 6.0	3.4 - 5.0 - 10.1	4.4 - 6.5 - 13.1	5.7 - 8.5 - 17.1
457 x	2.0	13.8	11.3	148.2	-	0.7 - 1.0 - 2.1	1.1 - 1.7 - 3.4	1.5 - 2.2 - 4.5	2.0 - 2.9 - 5.9
	3.0	31.0	25.4	222.2	21	1.0 - 1.6 - 3.1	1.7 - 2.6 - 5.2	2.2 - 3.4 - 6.7	2.9 - 4.4 - 8.8
457	4.1	55.0	45.1	296.3	29	1.4 - 2.1 - 4.1	2.3 - 3.4 - 6.9	3.0 - 4.5 - 9.0	3.9 - 5.9 - 11.7
	5.1	86.0	70.5	370.4	35	1.7 - 2.6 - 5.2	2.9 - 4.3 - 8.6	3.7 - 5.6 - 11.2	4.9 - 7.3 - 14.7
305 Round	5.6	104.0	85.3	407.4	37	1.9 - 2.8 - 5.7	3.2 - 4.7 - 9.5	4.1 - 6.2 - 12.3	5.4 - 8.1 - 16.1
	6.1	123.8	101.5	444.5	39	2.1 - 3.1 - 6.2	3.4 - 5.2 - 10.3	4.5 - 6.7 - 13.4	5.9 - 8.8 - 17.6
	6.6	145.3	119.1	481.5	42	2.2 - 3.4 - 6.7	3.7 - 5.6 - 11.2	4.9 - 7.3 - 14.6	6.3 - 9.5 - 19.0
457 x	2.0	13.5	11.0	201.7	10	0.8 - 1.2 - 2.4	1.3 - 2.0 - 4.0	1.7 - 2.6 - 5.2	2.3 - 3.4 - 6.8
	3.0	30.4	24.8	302.5	21	1.2 - 1.8 - 3.6	2.0 - 3.0 - 6.0	2.6 - 3.9 - 7.8	3.4 - 5.1 - 10.3
457	4.1	54.1	44.1	403.3	29	1.6 - 2.4 - 4.8	2.7 - 4.0 - 8.0	3.5 - 5.2 - 10.5	4.6 - 6.8 - 13.7
	5.1	84.5	69.0	504.1	35	2.0 - 3.0 - 6.0	3.4 - 5.0 - 10.1	4.4 - 6.5 - 13.1	5.7 - 8.5 - 17.1
356 Round	5.6	102.2	83.4	554.5	38	2.2 - 3.3 - 6.6	3.7 - 5.5 - 11.1	4.8 - 7.2 - 14.4	6.3 - 9.4 - 18.8
	6.1	121.7	99.3	605.0	40	2.4 - 3.6 - 7.2	4.0 - 6.0 - 12.1	5.2 - 7.8 - 15.7	6.8 - 10.3 - 20.5
	6.6	142.8	116.6	655.4	42	2.6 - 3.9 - 7.8	4.4 - 6.5 - 13.1	5.7 - 8.5 - 17.0	7.4 - 11.1 - 22.2
457 x	2.0	13.2	10.7	263.4	11	0.9 - 1.4 - 2.8	1.5 - 2.3 - 4.6	2.0 - 3.0 - 6.0	2.6 - 3.9 - 7.8
	3.0	29.8	24.2	395.1	22	1.4 - 2.1 - 4.1	2.3 - 3.4 - 6.9	3.0 - 4.5 - 9.0	3.9 - 5.9 - 11.7
457	4.1	52.9	43.0	526.8	30	1.8 - 2.8 - 5.5	3.1 - 4.6 - 9.2	4.0 - 6.0 - 12.0	5.2 - 7.8 - 15.6
	5.1	82.7	67.1	658.5	36	2.3 - 3.4 - 6.9	3.8 - 5.7 - 11.5	5.0 - 7.5 - 14.9	6.5 - 9.8 - 19.5
406 Round	5.6	100.0	81.2	724.3	38	2.5 - 3.8 - 7.6	4.2 - 6.3 - 12.6	5.5 - 8.2 - 16.4	7.2 - 10.7 - 21.5
	6.1	119.0	96.7	790.2	41	2.8 - 4.1 - 8.3	4.6 - 6.9 - 13.8	6.0 - 9.0 - 17.9	7.8 - 11.7 - 23.4
	6.6	139.7	113.5	856.0	43	3.0 - 4.5 - 9.0	5.0 - 7.5 - 14.9	6.5 - 9.7 - 19.4	8.5 - 12.7 - 25.4

NOTES: Throw values are given for temperature differences shown and terminal velocities of 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 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.