

SHR, 5SHR Performance Data: Horizontal Throw

IP DATA: SHR, 5SHR (NO DAMPER)

LOUVERED FACE DIFFUSERS

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	CFM	ft	CFM	ft	ft			
6"	x	400	0.024	0.014	78	-	5 - 8 - 16	3 - 5 - 10	20	2 - 3 - 6	29	2 - 3 - 6	2 - 3 - 6	
		600	0.054	0.031	118	11	8 - 12 - 21	5 - 7 - 15	29	3 - 4 - 9	44	3 - 5 - 10	3 - 4 - 9	
		800	0.095	0.055	157	19	11 - 16 - 25	7 - 10 - 17	39	4 - 6 - 11	59	4 - 6 - 13	4 - 6 - 11	
	Round		1000	0.149	0.086	196	25	13 - 20 - 28	8 - 12 - 19	49	5 - 7 - 14	74	5 - 8 - 16	5 - 7 - 14
			1200	0.214	0.124	235	30	16 - 21 - 30	10 - 15 - 21	59	6 - 9 - 17	88	6 - 10 - 19	6 - 9 - 17
			1400	0.292	0.169	275	34	19 - 23 - 33	12 - 16 - 22	69	7 - 10 - 20	103	7 - 11 - 22	7 - 10 - 20
9"	x	400	0.024	0.014	78	-	5 - 8 - 16	3 - 5 - 10	20	2 - 3 - 6	29	2 - 3 - 6	2 - 3 - 6	
		600	0.054	0.031	118	11	8 - 12 - 21	5 - 7 - 15	29	3 - 4 - 9	44	3 - 5 - 10	3 - 4 - 9	
		800	0.095	0.055	157	19	11 - 16 - 25	7 - 10 - 17	39	4 - 6 - 11	59	4 - 6 - 13	4 - 6 - 11	
	Round		1000	0.149	0.086	196	25	13 - 20 - 28	8 - 12 - 19	49	5 - 7 - 14	74	5 - 8 - 16	5 - 7 - 14
			1200	0.214	0.124	235	30	16 - 21 - 30	10 - 15 - 21	59	6 - 9 - 17	88	6 - 10 - 19	6 - 9 - 17
			1400	0.292	0.169	275	34	19 - 23 - 33	12 - 16 - 22	69	7 - 10 - 20	103	7 - 11 - 22	7 - 10 - 20
9"	x	400	0.023	0.013	140	-	7 - 11 - 21	4 - 7 - 13	35	3 - 4 - 8	52	3 - 4 - 9	3 - 4 - 8	
		600	0.052	0.029	209	12	11 - 16 - 29	7 - 10 - 19	52	4 - 6 - 11	78	4 - 6 - 13	4 - 6 - 11	
		800	0.092	0.052	279	20	14 - 21 - 33	9 - 13 - 22	70	5 - 8 - 15	105	6 - 9 - 17	5 - 8 - 15	
	Round		1000	0.144	0.082	349	26	18 - 26 - 37	11 - 17 - 25	87	6 - 9 - 19	131	7 - 11 - 21	6 - 9 - 19
			1200	0.208	0.118	419	31	21 - 29 - 41	13 - 19 - 27	105	8 - 11 - 23	157	9 - 13 - 26	8 - 11 - 23
			1400	0.282	0.160	488	35	25 - 31 - 44	15 - 21 - 30	122	9 - 13 - 26	183	10 - 15 - 30	9 - 13 - 26
12"	x	400	0.023	0.013	140	-	7 - 11 - 21	4 - 7 - 13	35	3 - 4 - 8	52	3 - 4 - 9	3 - 4 - 8	
		600	0.052	0.029	209	12	11 - 16 - 29	7 - 10 - 19	52	4 - 6 - 11	78	4 - 6 - 13	4 - 6 - 11	
		800	0.092	0.052	279	20	14 - 21 - 33	9 - 13 - 22	70	5 - 8 - 15	105	6 - 9 - 17	5 - 8 - 15	
	Round		1000	0.144	0.082	349	26	18 - 26 - 37	11 - 17 - 25	87	6 - 9 - 19	131	7 - 11 - 21	6 - 9 - 19
			1200	0.208	0.118	419	31	21 - 29 - 41	13 - 19 - 27	105	8 - 11 - 23	157	9 - 13 - 26	8 - 11 - 23
			1400	0.282	0.160	488	35	25 - 31 - 44	15 - 21 - 30	122	9 - 13 - 26	183	10 - 15 - 30	9 - 13 - 26
12"	x	400	0.022	0.012	218	-	9 - 13 - 27	6 - 8 - 17	55	3 - 5 - 9	82	4 - 5 - 11	3 - 5 - 9	
		600	0.050	0.027	327	13	13 - 20 - 36	8 - 12 - 24	82	5 - 7 - 14	123	5 - 8 - 16	5 - 7 - 14	
		800	0.088	0.049	436	21	18 - 27 - 41	11 - 17 - 28	109	6 - 9 - 19	164	7 - 11 - 21	6 - 9 - 19	
	Round		900	0.112	0.061	491	24	20 - 30 - 44	12 - 19 - 30	123	7 - 11 - 21	184	8 - 12 - 24	7 - 11 - 21
			1000	0.138	0.076	545	27	22 - 33 - 46	14 - 21 - 31	136	8 - 12 - 24	204	9 - 13 - 27	8 - 12 - 24
			1200	0.199	0.109	654	32	27 - 36 - 51	17 - 24 - 34	164	9 - 14 - 28	245	11 - 16 - 32	9 - 14 - 28
15"	x	400	0.021	0.011	314	-	11 - 16 - 32	7 - 10 - 20	78	4 - 6 - 11	118	4 - 6 - 13	4 - 6 - 11	
		600	0.047	0.025	471	14	16 - 24 - 43	10 - 15 - 29	118	6 - 9 - 17	177	6 - 10 - 19	6 - 9 - 17	
		800	0.084	0.044	628	22	21 - 32 - 50	13 - 20 - 34	157	8 - 11 - 23	235	9 - 13 - 26	8 - 11 - 23	
	Round		900	0.106	0.055	706	25	24 - 36 - 53	15 - 22 - 36	177	9 - 13 - 26	265	10 - 14 - 29	9 - 13 - 26
			1000	0.131	0.068	785	28	27 - 39 - 55	17 - 25 - 38	196	9 - 14 - 28	294	11 - 16 - 32	9 - 14 - 28
			1200	0.188	0.099	942	32	32 - 43 - 61	20 - 29 - 41	235	11 - 17 - 34	353	13 - 19 - 38	11 - 17 - 34
15"	x	400	0.021	0.011	314	-	11 - 16 - 32	7 - 10 - 20	78	4 - 6 - 11	118	4 - 6 - 13	4 - 6 - 11	
		600	0.047	0.025	471	14	16 - 24 - 43	10 - 15 - 29	118	6 - 9 - 17	177	6 - 10 - 19	6 - 9 - 17	
		800	0.084	0.044	628	22	21 - 32 - 50	13 - 20 - 34	157	8 - 11 - 23	235	9 - 13 - 26	8 - 11 - 23	
	Round		900	0.106	0.055	706	25	24 - 36 - 53	15 - 22 - 36	177	9 - 13 - 26	265	10 - 14 - 29	9 - 13 - 26
			1000	0.131	0.068	785	28	27 - 39 - 55	17 - 25 - 38	196	9 - 14 - 28	294	11 - 16 - 32	9 - 14 - 28
			1200	0.188	0.099	942	32	32 - 43 - 61	20 - 29 - 41	235	11 - 17 - 34	353	13 - 19 - 38	11 - 17 - 34

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 B1-69 for 'Side A' and 'Side B' detail. See Krueger's selection software for performance data not shown, including octave band data and different core styles.

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SHR, 5SHR Performance Data: Horizontal Throw

IP DATA: SHR, 5SHR (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	0.020	0.010	427	-	12 - 19 - 37	8 - 12 - 23	107	4 - 7 - 13	160	5 - 7 - 15	4 - 7 - 13
	600	0.044	0.022	641	14	19 - 28 - 50	12 - 17 - 34	160	7 - 10 - 20	240	7 - 11 - 22	7 - 10 - 20
14" Round	800	0.078	0.038	855	22	25 - 37 - 58	15 - 23 - 39	214	9 - 13 - 26	320	10 - 15 - 30	9 - 13 - 26
	900	0.099	0.048	961	25	28 - 42 - 61	17 - 26 - 42	240	10 - 15 - 30	361	11 - 17 - 33	10 - 15 - 30
14" Round	1000	0.122	0.060	1068	28	31 - 46 - 65	19 - 29 - 44	267	11 - 17 - 33	401	12 - 19 - 37	11 - 17 - 33
	1200	0.176	0.086	1282	33	37 - 50 - 71	23 - 34 - 48	320	13 - 20 - 40	481	15 - 22 - 45	13 - 20 - 40
14" Round	1400	0.239	0.117	1495	37	43 - 54 - 77	27 - 37 - 52	374	15 - 23 - 46	561	17 - 26 - 52	15 - 23 - 46
	400	0.024	0.014	78	-	5 - 8 - 16	3 - 5 - 10	20	2 - 3 - 6	29	2 - 3 - 6	2 - 3 - 6
18" x 18"	600	0.054	0.031	118	11	8 - 12 - 21	5 - 7 - 15	29	3 - 4 - 9	44	3 - 5 - 10	3 - 4 - 9
	800	0.095	0.055	157	19	11 - 16 - 25	7 - 10 - 17	39	4 - 6 - 11	59	4 - 6 - 13	4 - 6 - 11
6" Round	1000	0.149	0.086	196	25	13 - 20 - 28	8 - 12 - 19	49	5 - 7 - 14	74	5 - 8 - 16	5 - 7 - 14
	1200	0.214	0.124	235	30	16 - 21 - 30	10 - 15 - 21	59	6 - 9 - 17	88	6 - 10 - 19	6 - 9 - 17
6" Round	1300	0.251	0.146	255	32	17 - 22 - 32	11 - 15 - 21	64	6 - 9 - 18	96	7 - 10 - 21	6 - 9 - 18
	1400	0.292	0.169	275	34	19 - 23 - 33	12 - 16 - 22	69	7 - 10 - 20	103	7 - 11 - 22	7 - 10 - 20
18" x 18"	400	0.024	0.014	140	-	7 - 11 - 21	4 - 7 - 13	35	3 - 4 - 8	52	3 - 4 - 9	3 - 4 - 8
	600	0.054	0.031	209	12	11 - 16 - 29	7 - 10 - 19	52	4 - 6 - 11	78	4 - 6 - 13	4 - 6 - 11
8" Round	800	0.095	0.055	279	20	14 - 21 - 33	9 - 13 - 22	70	5 - 8 - 15	105	6 - 9 - 17	5 - 8 - 15
	1000	0.149	0.086	349	26	18 - 26 - 37	11 - 17 - 25	87	6 - 9 - 19	131	7 - 11 - 21	6 - 9 - 19
8" Round	1200	0.214	0.124	419	31	21 - 29 - 41	13 - 19 - 27	105	8 - 11 - 23	157	9 - 13 - 26	8 - 11 - 23
	1400	0.292	0.169	488	35	25 - 31 - 44	15 - 21 - 30	122	9 - 13 - 26	183	10 - 15 - 30	9 - 13 - 26
8" Round	1500	0.335	0.194	523	37	26 - 32 - 45	17 - 22 - 31	131	9 - 14 - 28	196	11 - 16 - 32	9 - 14 - 28
	400	0.023	0.013	218	-	9 - 13 - 27	6 - 8 - 17	55	3 - 5 - 9	82	4 - 5 - 11	3 - 5 - 9
18" x 18"	600	0.052	0.029	327	13	13 - 20 - 36	8 - 12 - 24	82	5 - 7 - 14	123	5 - 8 - 16	5 - 7 - 14
	800	0.092	0.052	436	21	18 - 27 - 41	11 - 17 - 28	109	6 - 9 - 19	164	7 - 11 - 21	6 - 9 - 19
10" Round	900	0.117	0.066	491	24	20 - 30 - 44	12 - 19 - 30	123	7 - 11 - 21	184	8 - 12 - 24	7 - 11 - 21
	1000	0.144	0.082	545	27	22 - 33 - 46	14 - 21 - 31	136	8 - 12 - 24	204	9 - 13 - 27	8 - 12 - 24
10" Round	1200	0.208	0.118	654	32	27 - 36 - 51	17 - 24 - 34	164	9 - 14 - 28	245	11 - 16 - 32	9 - 14 - 28
	1400	0.282	0.160	763	36	31 - 39 - 55	19 - 26 - 37	191	11 - 17 - 33	286	12 - 19 - 37	11 - 17 - 33
18" x 18"	400	0.023	0.013	314	-	11 - 16 - 32	7 - 10 - 20	78	4 - 6 - 11	118	4 - 6 - 13	4 - 6 - 11
	600	0.052	0.029	471	14	16 - 24 - 43	10 - 15 - 29	118	6 - 9 - 17	177	6 - 10 - 19	6 - 9 - 17
12" Round	800	0.092	0.052	628	22	21 - 32 - 50	13 - 20 - 34	157	8 - 11 - 23	235	9 - 13 - 26	8 - 11 - 23
	900	0.117	0.066	706	25	24 - 36 - 53	15 - 22 - 36	177	9 - 13 - 26	265	10 - 14 - 29	9 - 13 - 26
12" Round	1000	0.144	0.082	785	28	27 - 39 - 55	17 - 25 - 38	196	9 - 14 - 28	294	11 - 16 - 32	9 - 14 - 28
	1200	0.208	0.118	942	32	32 - 43 - 61	20 - 29 - 41	235	11 - 17 - 34	353	13 - 19 - 38	11 - 17 - 34
12" Round	1400	0.282	0.160	1099	37	37 - 46 - 66	23 - 31 - 45	275	13 - 20 - 40	412	15 - 22 - 45	13 - 20 - 40
	400	0.022	0.012	427	-	12 - 19 - 37	8 - 12 - 23	107	4 - 7 - 13	160	5 - 7 - 15	4 - 7 - 13
18" x 18"	600	0.050	0.027	641	14	19 - 28 - 50	12 - 17 - 34	160	7 - 10 - 20	240	7 - 11 - 22	7 - 10 - 20
	800	0.088	0.049	855	22	25 - 37 - 58	15 - 23 - 39	214	9 - 13 - 26	320	10 - 15 - 30	9 - 13 - 26
14" Round	900	0.112	0.061	961	25	28 - 42 - 61	17 - 26 - 42	240	10 - 15 - 30	361	11 - 17 - 33	10 - 15 - 30
	1000	0.138	0.076	1068	28	31 - 46 - 65	19 - 29 - 44	267	11 - 17 - 33	401	12 - 19 - 37	11 - 17 - 33
14" Round	1200	0.199	0.109	1282	33	37 - 50 - 71	23 - 34 - 48	320	13 - 20 - 40	481	15 - 22 - 45	13 - 20 - 40
	1400	0.271	0.149	1495	37	43 - 54 - 77	27 - 37 - 52	374	15 - 23 - 46	561	17 - 26 - 52	15 - 23 - 46
18" x 18"	400	0.021	0.011	558	-	14 - 21 - 43	9 - 13 - 26	140	5 - 8 - 15	209	6 - 9 - 17	5 - 8 - 15
	600	0.047	0.025	837	15	21 - 32 - 57	13 - 20 - 39	209	8 - 11 - 23	314	9 - 13 - 26	8 - 11 - 23
16" Round	800	0.084	0.044	1116	23	28 - 43 - 66	18 - 26 - 45	279	10 - 15 - 30	419	11 - 17 - 34	10 - 15 - 30
	900	0.106	0.055	1256	26	32 - 48 - 70	20 - 30 - 48	314	11 - 17 - 34	471	13 - 19 - 38	11 - 17 - 34
16" Round	1000	0.131	0.068	1395	29	35 - 52 - 74	22 - 33 - 50	349	13 - 19 - 38	523	14 - 21 - 43	13 - 19 - 38
	1200	0.188	0.099	1674	34	43 - 57 - 81	26 - 39 - 55	419	15 - 23 - 45	628	17 - 26 - 51	15 - 23 - 45
16" Round	1400	0.256	0.134	1953	38	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 B1-69 for 'Side A' and 'Side B' detail. See Krueger's selection software for performance data not shown, including octave band data and different core styles.

SHR, 5SHR Performance Data: Horizontal Throw

METRIC DATA: SHR, 5SHR (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	5.9	3.4	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	13.3	7.7	56	11	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
	4.1	23.7	13.8	74	19	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	37.0	21.5	93	25	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	53.3	31.0	111	30	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
152 Round	7.1	72.6	42.2	130	34	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	94.8	55.1	148	38	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
	2.0	5.9	3.4	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	13.3	7.7	56	11	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
	4.1	23.7	13.8	74	19	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
229 x 229	5.1	37.0	21.5	93	25	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	53.3	31.0	111	30	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	72.6	42.2	130	34	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	94.8	55.1	148	38	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
	2.0	5.7	3.3	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
229 Round	3.0	12.9	7.3	99	12	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
	4.1	23.0	13.0	132	20	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	35.9	20.4	165	26	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	51.7	29.3	198	31	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	70.3	39.9	230	35	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
203 x 203	8.1	91.9	52.1	263	39	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
	2.0	5.7	3.3	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	12.9	7.3	99	12	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
	4.1	23.0	13.0	132	20	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	35.9	20.4	165	26	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
203 Round	6.1	51.7	29.3	198	31	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	70.3	39.9	230	35	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	80.7	45.8	247	37	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
	2.0	5.5	3.0	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	12.4	6.8	154	13	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
305 x 305	4.1	22.0	12.1	206	21	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	27.9	15.3	231	24	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	34.4	18.9	257	27	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	49.5	27.2	309	32	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	67.4	37.0	360	36	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 Round	2.0	5.2	2.7	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	11.7	6.1	222	14	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
	4.1	20.8	10.9	296	22	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	26.4	13.8	333	25	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	32.6	17.1	370	28	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
381 x 381	6.1	46.9	24.6	444	32	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	63.8	33.4	519	37	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
	2.0	5.2	2.7	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	11.7	6.1	222	14	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
	4.1	20.8	10.9	296	22	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
305 Round	4.6	26.4	13.8	333	25	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	32.6	17.1	370	28	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	46.9	24.6	444	32	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	63.8	33.4	519	37	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 B1-69 for 'Side A' and 'Side B' detail. See Krueger's selection software for performance data not shown, including octave band data and different core styles.

LOUVERED FACE DIFFUSERS

S
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SHR, 5SHR Performance Data: Horizontal Throw
METRIC DATA: SHR, 5SHR (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	2.0	4.9	2.4	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	11.0	5.4	302	14	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
381	4.1	19.5	9.5	403	22	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	24.6	12.1	454	25	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
356 Round	5.1	30.4	14.9	504	28	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	43.8	21.5	605	33	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	59.6	29.2	706	37	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	2.0	5.9	3.4	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	13.3	7.7	56	11	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
457	4.1	23.7	13.8	74	19	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	37.0	21.5	93	25	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
152 Round	6.1	53.3	31.0	111	30	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	62.6	36.4	120	32	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	72.6	42.2	130	34	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	2.0	5.9	3.4	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	13.3	7.7	99	12	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
457	4.1	23.7	13.8	132	20	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	37.0	21.5	165	26	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
203 Round	6.1	53.3	31.0	198	31	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	72.6	42.2	230	35	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	83.3	48.4	247	37	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	2.0	5.7	3.3	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	12.9	7.3	154	13	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
457	4.1	23.0	13.0	206	21	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	29.1	16.5	231	24	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
254 Round	5.1	35.9	20.4	257	27	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	51.7	29.3	309	32	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	70.3	39.9	360	36	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	2.0	5.7	3.3	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	12.9	7.3	222	14	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
457	4.1	23.0	13.0	296	22	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	29.1	16.5	333	25	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
305 Round	5.1	35.9	20.4	370	28	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	51.7	29.3	444	32	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	70.3	39.9	519	37	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	2.0	5.5	3.0	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	12.4	6.8	302	14	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
457	4.1	22.0	12.1	403	22	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	27.9	15.3	454	25	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
356 Round	5.1	34.4	18.9	504	28	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	49.5	27.2	605	33	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	67.4	37.0	706	37	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	2.0	5.2	2.7	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	11.7	6.1	395	15	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
457	4.1	20.8	10.9	527	23	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	26.4	13.8	593	26	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
406 Round	5.1	32.6	17.1	658	29	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	46.9	24.6	790	34	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	63.8	33.4	922	38	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 B1-69 for 'Side A' and 'Side B' detail. See Krueger's selection software for performance data not shown, including octave band data and different core styles.