

**SHPC, 5SHPC Performance Data: Horizontal Throw**

IP DATA: SHPC, 5SHPC (NO DAMPER)

Neck Dim in.	Neck Vel FPM	Total Pres "WG	Static Pres "WG	Total Flow CFM	NC	Discharge Air Pattern						
						1-Way Throw ft	2-Way Throw ft	3 - Side A		3 - Side B		4-Way Throw ft
								Flow CFM	Throw ft	Flow CFM	Throw ft	
6" x 6"	400	0.090	0.080	100	12	9 - 11 - 16	5 - 8 - 12	25	4 - 7 - 9	38	5 - 7 - 11	4 - 7 - 9
	500	0.141	0.125	125	18	10 - 13 - 18	6 - 10 - 14	31	6 - 7 - 10	47	5 - 7 - 11	6 - 7 - 10
	600	0.202	0.180	150	22	11 - 14 - 20	8 - 10 - 15	38	7 - 8 - 11	56	6 - 9 - 12	7 - 8 - 11
	700	0.275	0.245	175	26	12 - 15 - 21	9 - 11 - 16	44	7 - 9 - 12	66	7 - 9 - 13	7 - 9 - 12
	800	0.360	0.320	200	30	13 - 16 - 23	10 - 12 - 17	50	8 - 9 - 13	75	8 - 10 - 14	8 - 9 - 13
	1000	0.562	0.500	250	36	15 - 18 - 25	11 - 14 - 19	63	8 - 10 - 15	94	9 - 11 - 16	8 - 10 - 15
1200	0.809	0.720	300	40	16 - 20 - 28	12 - 15 - 21	75	9 - 11 - 16	113	10 - 12 - 17	9 - 11 - 16	
9" x 9"	400	0.090	0.080	225	14	14 - 17 - 24	8 - 11 - 18	56	7 - 10 - 14	84	7 - 11 - 16	7 - 10 - 14
	500	0.141	0.125	281	20	16 - 19 - 27	10 - 14 - 20	70	8 - 11 - 16	105	9 - 13 - 18	8 - 11 - 16
	600	0.202	0.180	338	25	17 - 21 - 30	11 - 16 - 22	84	10 - 12 - 17	127	11 - 14 - 20	10 - 12 - 17
	700	0.275	0.245	394	29	18 - 23 - 32	13 - 17 - 24	98	11 - 13 - 18	148	12 - 15 - 21	11 - 13 - 18
	800	0.360	0.320	450	33	20 - 24 - 34	15 - 18 - 26	113	11 - 14 - 20	169	13 - 16 - 23	11 - 14 - 20
	1000	0.562	0.500	563	38	22 - 27 - 38	17 - 20 - 29	141	13 - 16 - 22	211	15 - 18 - 25	13 - 16 - 22
1100	0.680	0.605	619	41	23 - 28 - 40	17 - 21 - 30	155	13 - 16 - 23	232	15 - 19 - 27	13 - 16 - 23	
12" x 12"	400	0.090	0.080	400	16	19 - 23 - 32	10 - 15 - 24	100	9 - 13 - 19	150	10 - 15 - 21	9 - 13 - 19
	500	0.141	0.125	500	22	21 - 25 - 36	13 - 19 - 27	125	11 - 15 - 21	188	12 - 17 - 24	11 - 15 - 21
	600	0.202	0.180	600	27	23 - 28 - 39	15 - 21 - 30	150	13 - 16 - 23	225	15 - 18 - 26	13 - 16 - 23
	700	0.275	0.245	700	31	25 - 30 - 43	18 - 23 - 32	175	14 - 17 - 25	263	16 - 20 - 28	14 - 17 - 25
	800	0.360	0.320	800	34	26 - 32 - 46	20 - 24 - 34	200	15 - 19 - 26	300	17 - 21 - 30	15 - 19 - 26
	900	0.455	0.405	900	37	28 - 34 - 48	21 - 26 - 36	225	16 - 20 - 28	338	18 - 23 - 32	16 - 20 - 28
1000	0.562	0.500	1000	40	29 - 36 - 51	22 - 27 - 38	250	17 - 21 - 29	375	19 - 24 - 34	17 - 21 - 29	
15" x 15"	300	0.051	0.045	469	-	19 - 25 - 35	10 - 14 - 26	117	7 - 12 - 20	176	9 - 14 - 23	7 - 12 - 20
	400	0.090	0.080	625	18	23 - 29 - 40	13 - 19 - 30	156	11 - 16 - 23	234	12 - 18 - 27	11 - 16 - 23
	500	0.141	0.125	781	24	26 - 32 - 45	16 - 24 - 34	195	14 - 18 - 26	293	15 - 21 - 30	14 - 18 - 26
	600	0.202	0.180	938	28	29 - 35 - 49	19 - 26 - 37	234	16 - 20 - 28	352	18 - 23 - 33	16 - 20 - 28
	700	0.275	0.245	1094	32	31 - 38 - 53	22 - 28 - 40	273	18 - 22 - 31	410	20 - 25 - 35	18 - 22 - 31
	800	0.360	0.320	1250	36	33 - 40 - 57	25 - 30 - 43	313	19 - 23 - 33	469	22 - 27 - 38	19 - 23 - 33
18" x 18"	300	0.051	0.045	675	11	23 - 30 - 42	11 - 17 - 31	169	9 - 15 - 24	253	11 - 17 - 28	9 - 15 - 24
	400	0.090	0.080	900	19	28 - 34 - 48	15 - 23 - 36	225	13 - 20 - 28	338	15 - 22 - 32	13 - 20 - 28
	500	0.141	0.125	1125	25	31 - 38 - 54	19 - 29 - 41	281	17 - 22 - 31	422	18 - 25 - 36	17 - 22 - 31
	600	0.202	0.180	1350	30	34 - 42 - 59	23 - 31 - 44	338	20 - 24 - 34	506	22 - 28 - 39	20 - 24 - 34
	700	0.275	0.245	1575	34	37 - 45 - 64	27 - 34 - 48	394	21 - 26 - 37	591	24 - 30 - 42	21 - 26 - 37
	800	0.360	0.320	1800	37	39 - 48 - 68	30 - 36 - 51	450	23 - 28 - 39	675	26 - 32 - 45	23 - 28 - 39
21" x 21"	300	0.051	0.045	919	12	27 - 35 - 49	13 - 20 - 37	230	10 - 17 - 28	345	13 - 19 - 32	10 - 17 - 28
	400	0.090	0.080	1225	20	33 - 40 - 56	18 - 27 - 42	306	16 - 23 - 32	459	17 - 26 - 37	16 - 23 - 32
	500	0.141	0.125	1531	26	36 - 45 - 63	22 - 33 - 47	383	19 - 26 - 36	574	21 - 30 - 42	19 - 26 - 36
	600	0.202	0.180	1838	31	40 - 49 - 69	27 - 37 - 52	459	23 - 28 - 40	689	26 - 32 - 46	23 - 28 - 40
	700	0.275	0.245	2144	35	43 - 53 - 75	31 - 40 - 56	536	25 - 30 - 43	804	29 - 35 - 49	25 - 30 - 43
	800	0.360	0.320	2450	38	46 - 56 - 80	35 - 42 - 60	613	27 - 32 - 46	919	31 - 37 - 53	27 - 32 - 46
900	0.455	0.405	2756	41	49 - 60 - 85	37 - 45 - 63	689	28 - 34 - 49	1034	32 - 40 - 56	28 - 34 - 49	

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<sup>-12</sup> 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 B1-60 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

SHPC - 5SHPC

**SHPC, 5SHPC Performance Data: Vertical Throw**

IP DATA: SHPC, 5SHPC (NO DAMPER)

LOUVERED FACE DIFFUSERS

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"	400	0.138	0.128	100	16	3 - 4 - 5	3 - 5 - 7	4 - 6 - 9	5 - 7 - 11
	500	0.215	0.200	125	22	3 - 4 - 6	4 - 6 - 8	5 - 7 - 11	6 - 9 - 12
	600	0.310	0.288	150	26	4 - 5 - 7	5 - 6 - 9	6 - 8 - 12	7 - 10 - 14
	700	0.422	0.392	175	30	4 - 5 - 7	5 - 7 - 9	7 - 9 - 12	8 - 10 - 15
	800	0.552	0.512	200	34	4 - 5 - 8	6 - 7 - 10	8 - 9 - 13	9 - 11 - 16
	1000	0.862	0.800	250	40	5 - 6 - 9	6 - 8 - 11	9 - 11 - 15	10 - 12 - 18
1200	1.241	1.151	300	44	5 - 7 - 10	7 - 9 - 12	9 - 12 - 16	11 - 14 - 19	
9" x 9"	400	0.138	0.128	225	18	4 - 6 - 8	5 - 8 - 11	6 - 10 - 14	7 - 11 - 17
	500	0.215	0.200	281	24	5 - 7 - 9	6 - 8 - 12	8 - 11 - 16	9 - 13 - 19
	600	0.310	0.288	338	29	6 - 7 - 10	8 - 9 - 13	10 - 12 - 17	11 - 14 - 20
	700	0.422	0.392	394	33	6 - 8 - 11	8 - 10 - 14	11 - 13 - 19	13 - 16 - 22
	800	0.552	0.512	450	37	7 - 8 - 12	9 - 11 - 15	12 - 14 - 20	14 - 17 - 24
	1000	0.862	0.800	563	42	8 - 9 - 13	10 - 12 - 17	13 - 16 - 22	15 - 19 - 26
1100	1.043	0.967	619	45	8 - 10 - 14	10 - 12 - 18	14 - 17 - 23	16 - 20 - 28	
12" x 12"	400	0.138	0.128	400	20	5 - 8 - 11	7 - 10 - 14	8 - 13 - 19	10 - 15 - 22
	500	0.215	0.200	500	26	6 - 9 - 12	8 - 11 - 16	11 - 15 - 21	12 - 18 - 25
	600	0.310	0.288	600	31	8 - 10 - 13	10 - 12 - 17	13 - 16 - 23	15 - 19 - 27
	700	0.422	0.392	700	35	8 - 10 - 15	11 - 13 - 19	14 - 18 - 25	17 - 21 - 29
	800	0.552	0.512	800	38	9 - 11 - 16	12 - 14 - 20	15 - 19 - 27	18 - 22 - 31
	900	0.698	0.648	900	41	10 - 12 - 16	12 - 15 - 21	16 - 20 - 28	19 - 24 - 33
1000	0.862	0.800	1000	44	10 - 12 - 17	13 - 16 - 22	17 - 21 - 30	20 - 25 - 35	
15" x 15"	300	0.078	0.072	469	14	5 - 7 - 12	6 - 9 - 15	8 - 12 - 20	9 - 14 - 24
	400	0.138	0.128	625	22	6 - 10 - 14	8 - 13 - 18	11 - 16 - 24	12 - 18 - 28
	500	0.215	0.200	781	28	8 - 11 - 15	10 - 14 - 20	13 - 19 - 26	15 - 22 - 31
	600	0.310	0.288	938	32	10 - 12 - 17	13 - 15 - 22	16 - 20 - 29	18 - 24 - 34
	700	0.422	0.392	1094	36	10 - 13 - 18	14 - 17 - 23	18 - 22 - 31	21 - 26 - 37
	800	0.552	0.512	1250	40	11 - 14 - 19	14 - 18 - 25	19 - 24 - 33	23 - 28 - 39
1000	0.862	0.800	1563	46	13 - 15 - 22	16 - 20 - 28	22 - 26 - 37	25 - 31 - 44	
18" x 18"	300	0.078	0.072	675	15	6 - 9 - 14	8 - 11 - 18	10 - 14 - 24	11 - 16 - 29
	400	0.138	0.128	900	23	8 - 12 - 16	10 - 15 - 21	13 - 19 - 28	15 - 22 - 33
	500	0.215	0.200	1125	29	10 - 13 - 18	13 - 17 - 24	16 - 22 - 32	18 - 26 - 37
	600	0.310	0.288	1350	34	12 - 14 - 20	15 - 18 - 26	19 - 24 - 35	22 - 29 - 41
	700	0.422	0.392	1575	38	13 - 15 - 22	16 - 20 - 28	22 - 26 - 37	25 - 31 - 44
	800	0.552	0.512	1800	41	13 - 16 - 23	17 - 21 - 30	23 - 28 - 40	27 - 33 - 47
900	0.698	0.648	2025	44	14 - 17 - 25	18 - 23 - 32	24 - 30 - 42	29 - 35 - 50	
21" x 21"	300	0.078	0.072	919	16	7 - 10 - 17	9 - 13 - 21	11 - 17 - 29	13 - 19 - 34
	400	0.138	0.128	1225	24	9 - 14 - 19	12 - 18 - 25	15 - 22 - 33	17 - 25 - 39
	500	0.215	0.200	1531	30	11 - 15 - 22	15 - 20 - 28	19 - 26 - 37	21 - 31 - 43
	600	0.310	0.288	1838	35	14 - 17 - 24	18 - 21 - 30	22 - 29 - 40	25 - 34 - 48
	700	0.422	0.392	2144	39	15 - 18 - 25	19 - 23 - 33	25 - 31 - 44	30 - 36 - 51
	800	0.552	0.512	2450	42	16 - 19 - 27	20 - 25 - 35	27 - 33 - 47	32 - 39 - 55
900	0.698	0.648	2756	45	17 - 20 - 29	21 - 26 - 37	29 - 35 - 49	34 - 41 - 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<sup>-12</sup> 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 and different core styles. Data based off 4-way discharge air pattern with pattern controllers set to vertical blow position.

S H P C - 5 S H P C

**SHPC, 5SHPC Performance Data: Horizontal Throw**
**METRIC DATA: SHPC, 5SHPC (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	2.03	22.4	19.9	47	12	2.8 - 3.5 - 4.9	1.5 - 2.3 - 3.7	12	1.3 - 2.0 - 2.8	18	1.5 - 2.2 - 3.2	1.3 - 2.0 - 2.8
	2.54	35.0	31.1	59	18	3.2 - 3.9 - 5.5	1.9 - 2.9 - 4.1	15	1.7 - 2.2 - 3.2	22	1.5 - 2.2 - 3.4	1.7 - 2.2 - 3.2
	3.05	50.4	44.8	71	22	3.5 - 4.2 - 6.0	2.3 - 3.2 - 4.5	18	2.0 - 2.4 - 3.5	27	1.8 - 2.6 - 3.7	2.0 - 2.4 - 3.5
	3.56	68.6	61.0	83	26	3.7 - 4.6 - 6.5	2.7 - 3.4 - 4.9	21	2.2 - 2.6 - 3.7	31	2.1 - 2.8 - 4.0	2.2 - 2.6 - 3.7
	4.06	89.6	79.6	94	30	4.0 - 4.9 - 6.9	3.0 - 3.7 - 5.2	24	2.3 - 2.8 - 4.0	35	2.4 - 3.0 - 4.3	2.3 - 2.8 - 4.0
	5.08	140.0	124.4	118	36	4.5 - 5.5 - 7.7	3.4 - 4.1 - 5.8	29	2.6 - 3.2 - 4.5	44	2.8 - 3.4 - 4.8	2.6 - 3.2 - 4.5
6.10	201.5	179.2	142	40	4.9 - 6.0 - 8.5	3.7 - 4.5 - 6.4	35	2.8 - 3.5 - 4.9	53	3.0 - 3.7 - 5.2	2.8 - 3.5 - 4.9	
229 x 229	2.03	22.4	19.9	106	14	4.2 - 5.2 - 7.4	2.3 - 3.5 - 5.5	27	2.0 - 3.0 - 4.2	40	2.2 - 3.4 - 4.9	2.0 - 3.0 - 4.2
	2.54	35.0	31.1	133	20	4.7 - 5.8 - 8.2	2.9 - 4.3 - 6.2	33	2.5 - 3.3 - 4.7	50	2.8 - 3.8 - 5.4	2.5 - 3.3 - 4.7
	3.05	50.4	44.8	159	25	5.2 - 6.4 - 9.0	3.5 - 4.8 - 6.7	40	3.0 - 3.7 - 5.2	60	3.4 - 4.2 - 6.0	3.0 - 3.7 - 5.2
	3.56	68.6	61.0	186	29	5.6 - 6.9 - 9.7	4.0 - 5.2 - 7.3	46	3.2 - 4.0 - 5.6	70	3.7 - 4.6 - 6.4	3.2 - 4.0 - 5.6
	4.06	89.6	79.6	212	33	6.0 - 7.4 - 10.4	4.5 - 5.5 - 7.8	53	3.5 - 4.2 - 6.0	80	4.0 - 4.9 - 6.9	3.5 - 4.2 - 6.0
	5.08	140.0	124.4	265	38	6.7 - 8.2 - 11.6	5.0 - 6.2 - 8.7	66	3.9 - 4.7 - 6.7	100	4.4 - 5.4 - 7.7	3.9 - 4.7 - 6.7
5.59	169.4	150.6	292	41	7.0 - 8.6 - 12.2	5.3 - 6.5 - 9.1	73	4.1 - 5.0 - 7.0	110	4.7 - 5.7 - 8.1	4.1 - 5.0 - 7.0	
305 x 305	2.03	22.4	19.9	189	16	5.7 - 6.9 - 9.8	3.1 - 4.6 - 7.3	47	2.7 - 4.0 - 5.6	71	3.0 - 4.5 - 6.5	2.7 - 4.0 - 5.6
	2.54	35.0	31.1	236	22	6.3 - 7.7 - 11.0	3.9 - 5.8 - 8.2	59	3.4 - 4.5 - 6.3	88	3.7 - 5.1 - 7.3	3.4 - 4.5 - 6.3
	3.05	50.4	44.8	283	27	6.9 - 8.5 - 12.0	4.6 - 6.4 - 9.0	71	4.0 - 4.9 - 6.9	106	4.5 - 5.6 - 8.0	4.0 - 4.9 - 6.9
	3.56	68.6	61.0	330	31	7.5 - 9.2 - 13.0	5.4 - 6.9 - 9.7	83	4.3 - 5.3 - 7.5	124	5.0 - 6.1 - 8.6	4.3 - 5.3 - 7.5
	4.06	89.6	79.6	378	34	8.0 - 9.8 - 13.9	6.0 - 7.3 - 10.4	94	4.6 - 5.6 - 8.0	142	5.3 - 6.5 - 9.2	4.6 - 5.6 - 8.0
	4.57	113.4	100.8	425	37	8.5 - 10.4 - 14.7	6.4 - 7.8 - 11.0	106	4.9 - 6.0 - 8.5	159	5.6 - 6.9 - 9.7	4.9 - 6.0 - 8.5
5.08	140.0	124.4	472	40	8.9 - 11.0 - 15.5	6.7 - 8.2 - 11.6	118	5.1 - 6.3 - 8.9	177	5.9 - 7.3 - 10.3	5.1 - 6.3 - 8.9	
381 x 381	1.52	12.6	11.2	221	-	5.8 - 7.5 - 10.6	2.9 - 4.3 - 7.9	55	2.3 - 3.8 - 6.1	83	2.8 - 4.2 - 7.0	2.3 - 3.8 - 6.1
	2.03	22.4	19.9	295	18	7.1 - 8.7 - 12.3	3.9 - 5.8 - 9.2	74	3.4 - 5.0 - 7.1	111	3.7 - 5.6 - 8.1	3.4 - 5.0 - 7.1
	2.54	35.0	31.1	369	24	7.9 - 9.7 - 13.7	4.8 - 7.2 - 10.3	92	4.2 - 5.6 - 7.9	138	4.7 - 6.4 - 9.1	4.2 - 5.6 - 7.9
	3.05	50.4	44.8	442	28	8.7 - 10.6 - 15.0	5.8 - 7.9 - 11.2	111	5.0 - 6.1 - 8.6	166	5.6 - 7.0 - 9.9	5.0 - 6.1 - 8.6
	3.56	68.6	61.0	516	32	9.4 - 11.5 - 16.2	6.7 - 8.6 - 12.1	129	5.4 - 6.6 - 9.3	194	6.2 - 7.6 - 10.7	5.4 - 6.6 - 9.3
	4.06	89.6	79.6	590	36	10.0 - 12.3 - 17.3	7.5 - 9.2 - 13.0	147	5.8 - 7.1 - 10.0	221	6.6 - 8.1 - 11.5	5.8 - 7.1 - 10.0
5.08	140.0	124.4	737	42	11.2 - 13.7 - 19.4	8.4 - 10.3 - 14.5	184	6.4 - 7.9 - 11.1	277	7.4 - 9.1 - 12.8	6.4 - 7.9 - 11.1	
457 x 457	1.52	12.6	11.2	319	11	7.0 - 9.0 - 12.7	3.5 - 5.2 - 9.5	80	2.7 - 4.6 - 7.3	119	3.4 - 5.0 - 8.4	2.7 - 4.6 - 7.3
	2.03	22.4	19.9	425	19	8.5 - 10.4 - 14.7	4.6 - 6.9 - 11.0	106	4.0 - 6.0 - 8.5	159	4.5 - 6.7 - 9.7	4.0 - 6.0 - 8.5
	2.54	35.0	31.1	531	25	9.5 - 11.6 - 16.4	5.8 - 8.7 - 12.3	133	5.1 - 6.7 - 9.5	199	5.6 - 7.7 - 10.9	5.1 - 6.7 - 9.5
	3.05	50.4	44.8	637	30	10.4 - 12.7 - 18.0	6.9 - 9.5 - 13.5	159	6.0 - 7.3 - 10.4	239	6.7 - 8.4 - 11.9	6.0 - 7.3 - 10.4
	3.56	68.6	61.0	743	34	11.2 - 13.8 - 19.5	8.1 - 10.3 - 14.6	186	6.5 - 7.9 - 11.2	279	7.4 - 9.1 - 12.9	6.5 - 7.9 - 11.2
	4.06	89.6	79.6	850	37	12.0 - 14.7 - 20.8	9.0 - 11.0 - 15.6	212	6.9 - 8.5 - 12.0	319	8.0 - 9.7 - 13.8	6.9 - 8.5 - 12.0
4.57	113.4	100.8	956	40	12.7 - 15.6 - 22.1	9.5 - 11.7 - 16.5	239	7.3 - 9.0 - 12.7	358	8.4 - 10.3 - 14.6	7.3 - 9.0 - 12.7	
533 x 533	1.52	12.6	11.2	434	12	8.1 - 10.5 - 14.9	4.0 - 6.1 - 11.1	108	3.2 - 5.3 - 8.5	163	3.9 - 5.9 - 9.8	3.2 - 5.3 - 8.5
	2.03	22.4	19.9	578	20	9.9 - 12.1 - 17.2	5.4 - 8.1 - 12.9	145	4.7 - 7.0 - 9.9	217	5.2 - 7.8 - 11.4	4.7 - 7.0 - 9.9
	2.54	35.0	31.1	723	26	11.1 - 13.6 - 19.2	6.7 - 10.1 - 14.4	181	5.9 - 7.8 - 11.0	271	6.5 - 9.0 - 12.7	5.9 - 7.8 - 11.0
	3.05	50.4	44.8	867	31	12.1 - 14.9 - 21.0	8.1 - 11.1 - 15.7	217	7.0 - 8.5 - 12.1	325	7.8 - 9.8 - 13.9	7.0 - 8.5 - 12.1
	3.56	68.6	61.0	1012	35	13.1 - 16.0 - 22.7	9.4 - 12.0 - 17.0	253	7.5 - 9.2 - 13.1	379	8.7 - 10.6 - 15.0	7.5 - 9.2 - 13.1
	4.06	89.6	79.6	1156	38	14.0 - 17.2 - 24.3	10.5 - 12.9 - 18.2	289	8.1 - 9.9 - 14.0	434	9.3 - 11.4 - 16.1	8.1 - 9.9 - 14.0
4.57	113.4	100.8	1301	41	14.9 - 18.2 - 25.7	11.1 - 13.6 - 19.3	325	8.5 - 10.5 - 14.8	488	9.8 - 12.0 - 17.0	8.5 - 10.5 - 14.8	

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<sup>-12</sup> 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 B1-60 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. Data based off 4-way discharge air pattern with pattern controllers set to vertical blow position.

LOUVERED FACE DIFFUSERS

SHPC - 5SHPC

**SHPC, 5SHPC Performance Data: Vertical Throw**

METRIC DATA: SHPC, 5SHPC (NO DAMPER)

LOUVERED FACE DIFFUSERS

Neck Dim	Neck Vel	Total Pres	Static Pres	Total Flow	NC	Discharge Air Pattern			
						Vert Δ + 22°C	Vert Δ + 11°C	Vert Δ + 0°C	Vert Δ - 11°C
						Throw	Throw	Throw	Throw
mm	m/s	Pa	Pa	L/s		m	m	m	m
152 x 152	2.03	34.3	31.9	47	16	0.8 - 1.2 - 1.7	1.0 - 1.5 - 2.1	1.3 - 1.9 - 2.9	1.5 - 2.2 - 3.4
	2.54	53.7	49.8	59	22	1.0 - 1.3 - 1.9	1.3 - 1.7 - 2.4	1.6 - 2.3 - 3.2	1.8 - 2.7 - 3.8
	3.05	77.3	71.7	71	26	1.2 - 1.4 - 2.0	1.5 - 1.9 - 2.6	1.9 - 2.5 - 3.5	2.2 - 2.9 - 4.1
	3.56	105.2	97.6	83	30	1.3 - 1.6 - 2.2	1.6 - 2.0 - 2.8	2.2 - 2.7 - 3.8	2.6 - 3.2 - 4.5
	4.06	137.3	127.4	94	34	1.4 - 1.7 - 2.4	1.8 - 2.1 - 3.0	2.3 - 2.9 - 4.1	2.8 - 3.4 - 4.8
	5.08	214.6	199.1	118	40	1.5 - 1.9 - 2.6	2.0 - 2.4 - 3.4	2.6 - 3.2 - 4.5	3.1 - 3.8 - 5.3
6.10	309.0	286.7	142	44	1.7 - 2.0 - 2.9	2.1 - 2.6 - 3.7	2.9 - 3.5 - 5.0	3.4 - 4.1 - 5.8	
229 x 229	2.03	34.3	31.9	106	18	1.2 - 1.8 - 2.5	1.5 - 2.3 - 3.2	1.9 - 2.9 - 4.3	2.2 - 3.3 - 5.1
	2.54	53.7	49.8	133	24	1.5 - 2.0 - 2.8	1.9 - 2.5 - 3.6	2.4 - 3.4 - 4.8	2.8 - 4.0 - 5.7
	3.05	77.3	71.7	159	29	1.8 - 2.2 - 3.1	2.3 - 2.8 - 3.9	2.9 - 3.7 - 5.3	3.3 - 4.4 - 6.2
	3.56	105.2	97.6	186	33	1.9 - 2.3 - 3.3	2.5 - 3.0 - 4.3	3.3 - 4.0 - 5.7	3.9 - 4.7 - 6.7
	4.06	137.3	127.4	212	37	2.0 - 2.5 - 3.5	2.6 - 3.2 - 4.6	3.5 - 4.3 - 6.1	4.1 - 5.1 - 7.2
	5.08	214.6	199.1	265	42	2.3 - 2.8 - 4.0	2.9 - 3.6 - 5.1	3.9 - 4.8 - 6.8	4.6 - 5.7 - 8.0
5.59	259.7	240.9	292	45	2.4 - 2.9 - 4.2	3.1 - 3.8 - 5.3	4.1 - 5.0 - 7.1	4.9 - 5.9 - 8.4	
305 x 305	2.03	34.3	31.9	189	20	1.6 - 2.4 - 3.3	2.0 - 3.0 - 4.3	2.6 - 3.9 - 5.7	2.9 - 4.4 - 6.8
	2.54	53.7	49.8	236	26	2.0 - 2.6 - 3.7	2.5 - 3.4 - 4.8	3.2 - 4.5 - 6.4	3.7 - 5.3 - 7.6
	3.05	77.3	71.7	283	31	2.4 - 2.9 - 4.1	3.0 - 3.7 - 5.3	3.9 - 5.0 - 7.0	4.4 - 5.8 - 8.3
	3.56	105.2	97.6	330	35	2.6 - 3.1 - 4.4	3.3 - 4.0 - 5.7	4.4 - 5.4 - 7.6	5.2 - 6.3 - 8.9
	4.06	137.3	127.4	378	38	2.7 - 3.3 - 4.7	3.5 - 4.3 - 6.1	4.7 - 5.7 - 8.1	5.5 - 6.8 - 9.6
	4.57	173.8	161.3	425	41	2.9 - 3.5 - 5.0	3.7 - 4.6 - 6.4	5.0 - 6.1 - 8.6	5.8 - 7.2 - 10.1
5.08	214.6	199.1	472	44	3.1 - 3.7 - 5.3	3.9 - 4.8 - 6.8	5.2 - 6.4 - 9.1	6.2 - 7.6 - 10.7	
381 x 381	1.52	19.3	17.9	221	14	1.5 - 2.2 - 3.6	1.9 - 2.9 - 4.7	2.4 - 3.6 - 6.2	2.8 - 4.1 - 7.3
	2.03	34.3	31.9	295	22	2.0 - 2.9 - 4.2	2.5 - 3.8 - 5.4	3.2 - 4.8 - 7.2	3.7 - 5.5 - 8.4
	2.54	53.7	49.8	369	28	2.5 - 3.3 - 4.7	3.2 - 4.2 - 6.0	4.0 - 5.7 - 8.0	4.6 - 6.7 - 9.4
	3.05	77.3	71.7	442	32	2.9 - 3.6 - 5.1	3.8 - 4.7 - 6.6	4.8 - 6.2 - 8.8	5.5 - 7.3 - 10.3
	3.56	105.2	97.6	516	36	3.2 - 3.9 - 5.5	4.1 - 5.0 - 7.1	5.5 - 6.7 - 9.5	6.4 - 7.9 - 11.2
	4.06	137.3	127.4	590	40	3.4 - 4.2 - 5.9	4.4 - 5.4 - 7.6	5.9 - 7.2 - 10.1	6.9 - 8.4 - 11.9
5.08	214.6	199.1	737	46	3.8 - 4.7 - 6.6	4.9 - 6.0 - 8.5	6.5 - 8.0 - 11.3	7.7 - 9.4 - 13.4	
457 x 457	1.52	19.3	17.9	319	15	1.8 - 2.7 - 4.3	2.3 - 3.4 - 5.6	2.9 - 4.3 - 7.4	3.3 - 5.0 - 8.8
	2.03	34.3	31.9	425	23	2.4 - 3.5 - 5.0	3.0 - 4.6 - 6.4	3.9 - 5.8 - 8.6	4.4 - 6.6 - 10.1
	2.54	53.7	49.8	531	29	2.9 - 4.0 - 5.6	3.8 - 5.1 - 7.2	4.8 - 6.8 - 9.6	5.5 - 8.0 - 11.3
	3.05	77.3	71.7	637	34	3.5 - 4.3 - 6.1	4.6 - 5.6 - 7.9	5.8 - 7.4 - 10.5	6.6 - 8.8 - 12.4
	3.56	105.2	97.6	743	38	3.8 - 4.7 - 6.6	4.9 - 6.0 - 8.5	6.6 - 8.0 - 11.4	7.7 - 9.5 - 13.4
	4.06	137.3	127.4	850	41	4.1 - 5.0 - 7.1	5.3 - 6.4 - 9.1	7.0 - 8.6 - 12.2	8.3 - 10.1 - 14.3
4.57	173.8	161.3	956	44	4.3 - 5.3 - 7.5	5.6 - 6.8 - 9.7	7.4 - 9.1 - 12.9	8.8 - 10.7 - 15.2	
533 x 533	1.52	19.3	17.9	434	16	2.1 - 3.1 - 5.1	2.7 - 4.0 - 6.5	3.4 - 5.1 - 8.7	3.9 - 5.8 - 10.2
	2.03	34.3	31.9	578	24	2.7 - 4.1 - 5.8	3.5 - 5.3 - 7.5	4.5 - 6.8 - 10.0	5.2 - 7.7 - 11.8
	2.54	53.7	49.8	723	30	3.4 - 4.6 - 6.5	4.4 - 5.9 - 8.4	5.6 - 7.9 - 11.2	6.4 - 9.3 - 13.2
	3.05	77.3	71.7	867	35	4.1 - 5.1 - 7.2	5.3 - 6.5 - 9.2	6.8 - 8.7 - 12.3	7.7 - 10.2 - 14.5
	3.56	105.2	97.6	1012	39	4.5 - 5.5 - 7.7	5.7 - 7.0 - 10.0	7.7 - 9.4 - 13.3	9.0 - 11.1 - 15.6
	4.06	137.3	127.4	1156	42	4.8 - 5.8 - 8.3	6.1 - 7.5 - 10.6	8.2 - 10.0 - 14.2	9.7 - 11.8 - 16.7
4.57	173.8	161.3	1301	45	5.1 - 6.2 - 8.8	6.5 - 8.0 - 11.3	8.7 - 10.6 - 15.0	10.2 - 12.5 - 17.7	

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<sup>-12</sup> 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 and different core styles.

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