KRUEGER
Excellence in Air Distribution

Table of Contents

1400, 1400FR, 1400, M1400 & M51400
These supply diffusers feature a round neck and four cones.

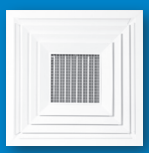
1400A & 51400A
These supply diffusers feature a round neck, four cones, and adjustable pattern controllers.

1450, 51450, M1450, & M51450
These supply diffusers feature a round neck and three cones.

1450A & 51450A
These supply diffusers feature a round neck, three cones, and adjustable pattern controllers.

SH, 5SH, SHFR, MSH, SHV, 5SHV, SHR, 5SHR, SHRV, 5SHRV, SHFB, & 5SHFB
These supply diffusers feature a square neck, fixed louvered blades (1-way to 4-way), and removable core.

SHPC, 5SHPC, SHPCR, & 5SHPCR
These supply diffusers feature a square neck, fixed louvered blades (1-way to 4-way), removable core, and adjustable pattern controllers.



5SH/CAD & 5SHR/CAD
These supply diffusers feature fixed louvered blades with a center downblow.

SHRPLQ
This supply diffuser features fixed louvered blades (1, 2, or 3 slots) with center plaque faceplate.

7000
This combination supply/return diffuser features fixed louvered blades with removable egg-crate center frame.

Introduction: SH Series

The SH/5SH series square or rectangular diffusers are available in various sizes and discharge air patterns to meet engineering requirements for capacity and directional throw in addition to a variety of frame styles to meet architectural requirements of today's ceilings. They feature a 1/4" horizontal lip on all sides of the louvered core, resulting in a tight horizontal discharge pattern at the ceiling and a higher discharge velocity at the face. This creates a high induction region just below the face of the diffuser, which improves room air mixing. Because this series has higher discharge face velocities, they are an excellent choice for variable air volume systems with above normal temperature differentials. At typical flow rates, isothermal throws of 18 to 30 feet make the SH/5SH series ideal for mounting centrally in many spaces with high load requirements while providing high mixing rates in the space.

MODELS

SH - Steel Louvered Diffuser
5SH - Aluminum Louvered Diffuser
SHFR - Fire Rated, Steel Louvered Diffuser
MSH - Metric, Steel Louvered Diffuser

FEATURES

- Core is removable from face of diffuser.
- Square or rectangular duct connections.
- Maintains a horizontal discharge air pattern from maximum to minimum CFM.
- Lever operator on optional OBDFA damper allows easy volume adjustment from face of diffuser.
- Various discharge air patterns available.
- Excellent choice for VAV applications with high loads.

PANEL SIZES

- 12"x12", 24"x24", and 24"x48"
- 48"x48" for Frame 2T Only
- 600x600mm

ACCESSORIES

- Optional straightening grids.
- Optional face operated OBDFA.
- Optional Ultrathrow (throw reducing device).
- Optional MRI construction (5SH).

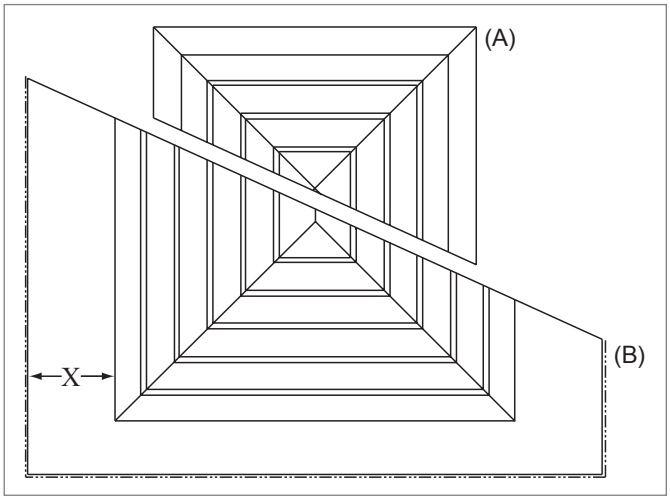
FINISHES

- Standard finish is #44 British White.
- Optional finishes available.

SH

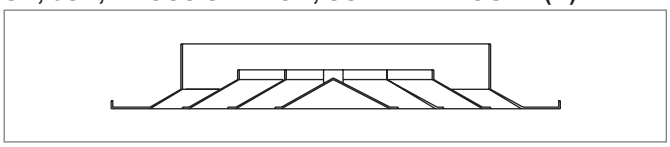
SH, 5SH, SHFR, MSH Dimensional Information

SH, 5SH, SHFR, MSH, FACE VIEW

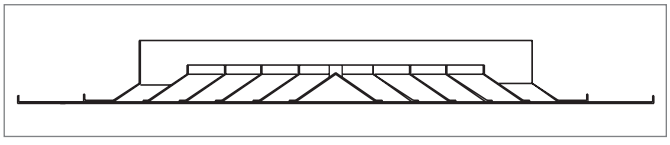


NOTE: Dimension 'X' will vary with neck sizes for Frames 23, 24, 27, and 98.

SH, 5SH, CROSS SECTION, SURFACE MOUNT (A)

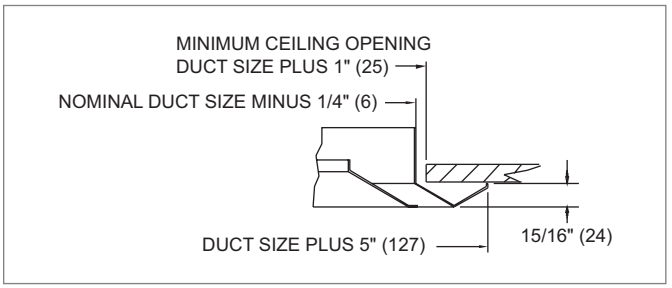


SH, 5SH, SHFR, MSH, CROSS SECTION, LAY-IN T-BAR (B)

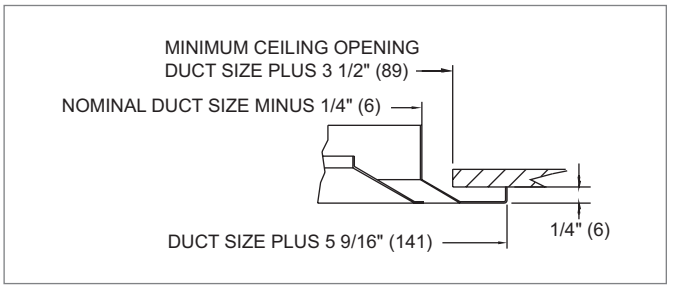


SH, 5SH Frame Styles

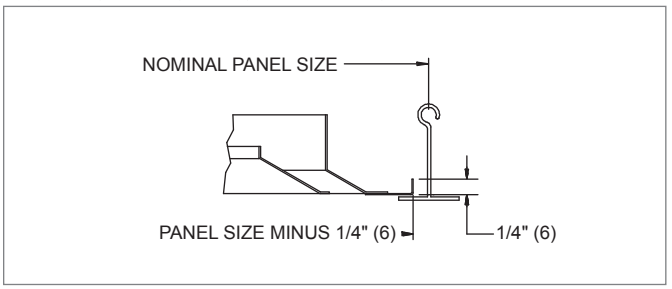
SH, 5SH, FRAME 21, SURFACE MOUNT, BEVELED



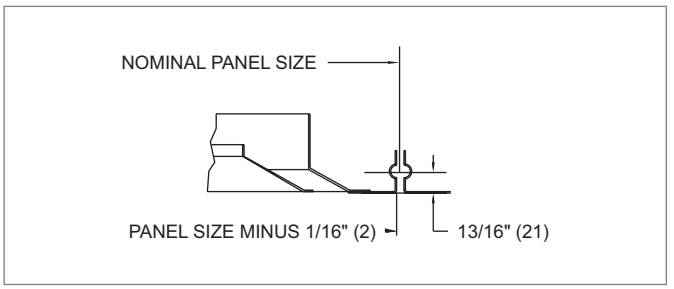
SH, 5SH, FRAME 22, SURFACE MOUNT, FLAT



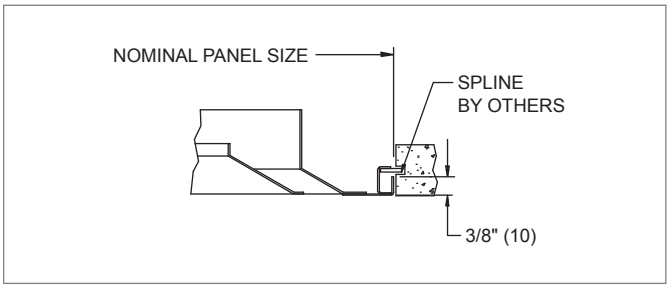
SH, 5SH, SHFR, MSH, FRAME 23, LAY-IN T-BAR



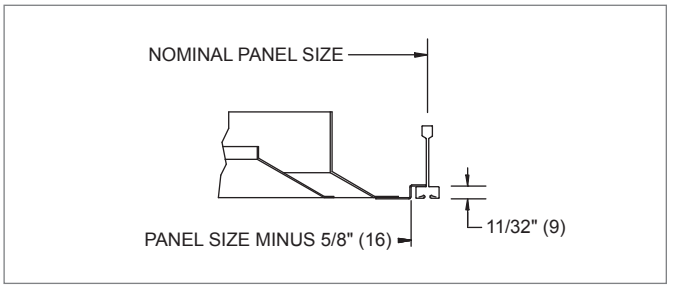
SH, 5SH, FRAME 24, SNAP-IN T-BAR



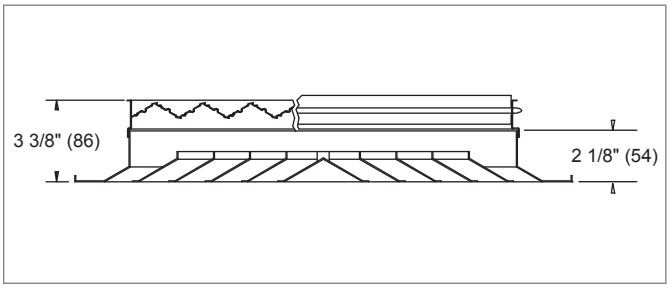
SH, 5SH, FRAME 27, SPLINE



SH, 5SH, FRAME 98, NARROW-T



SH, 5SH, MSH, DAMPER DETAIL



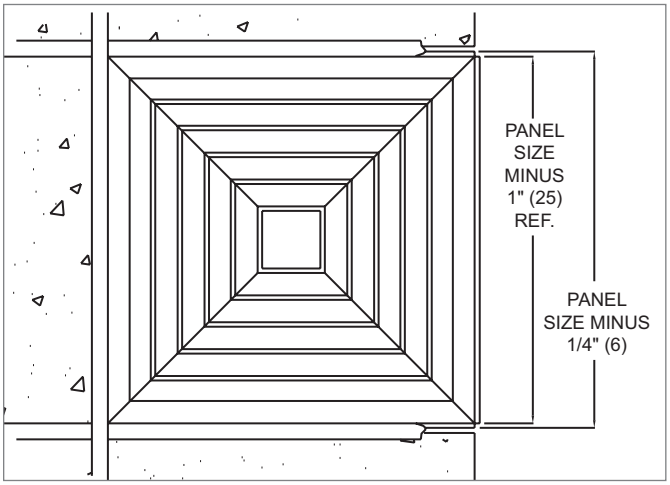
SH, 5SH, AVAILABLE NECK SIZES

Frame Style	Panel Size	Minimum Inlet Dim1 x Dim2	Maximum Inlet Dim1 x Dim2
21	-	6"x6" (152x152)	48"x48" (1219x1219)
22			
23	12"x12" (305x305)	6"x6" (152x152)	9"x9" * (229x229)
24			
27			
23	24"x24" (610x610)	6"x6" (152x152)	21"x21" * (533x533)
24			
27			
23	24"x48" (610x1219)	12"x12" (610x610)	21"x42" ** (533x1067) 21"x45" *** (533x1143)
24			
27			
98	24"x24" (610x610)	6"x6" (152x152)	18"x18" (457x457)

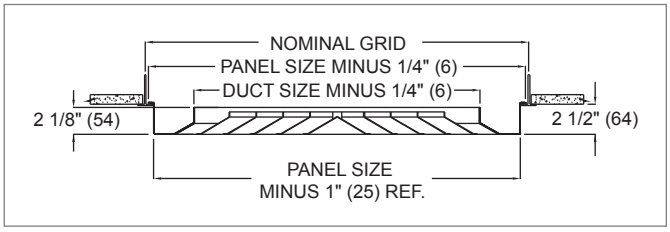
NOTES: Dimensions in parentheses are mm.
* *Available in 4-way discharge air pattern only.*
** *Available in 4-way discharge air pattern, model 5SH only.*
*** *Available in 4-way discharge air pattern, model SH only.*

SH, 5SH Drop Face Dimensional Information

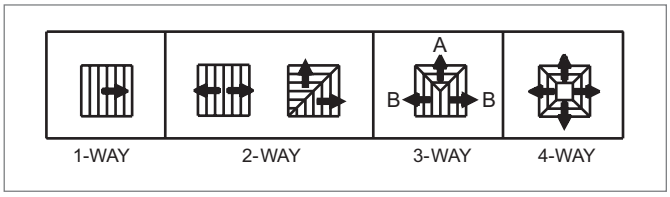
SH, FRAME 2T, FACE VIEW



SH, FRAME 2T, CROSS SECTION



SH, FRAME 2T, DISCHARGE AIR PATTERNS



NOTE: 'A' & 'B' notations correspond to performance data.

SH, FRAME 2T, AVAILABLE NECK SIZES

Panel Size	Neck Size
24"x24" (610x610)	18"x18" (457x457)
48"x48" (1219x1219)	42"x42" (1067x1067)

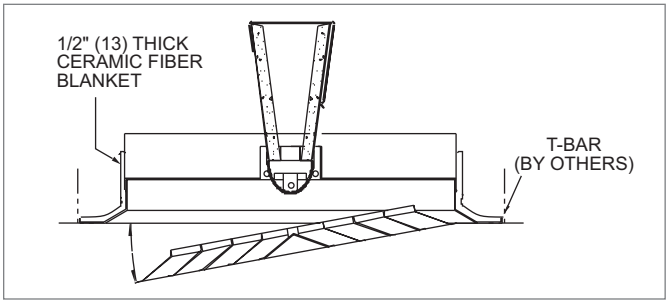
NOTE: Dimensions in parentheses are mm.

SHFR (Fire Rated) Dimensional Information

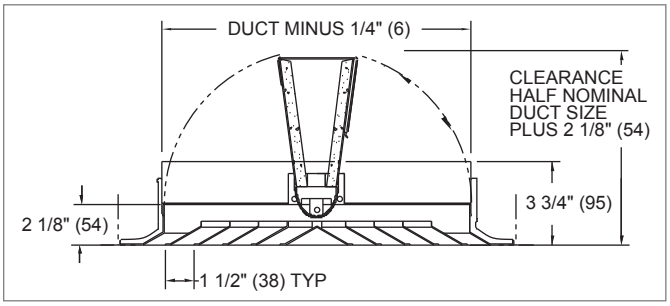
Krueger series SHFR is a UL fire rated version of the SH series. The SHFR gives the same performance characteristics as the SH series. The SHFR is only available in F23 for Lay-in T-Bar applications.

SHFR comes standard as a UL 263 classified assembly that incorporates a three hour rated fire damper and a 1/2" thick ceramic fiber blanket.

SHFR, REMOVABLE CORE



SHFR, CROSS SECTION, LAY-IN T-BAR, 24"x24" PANEL

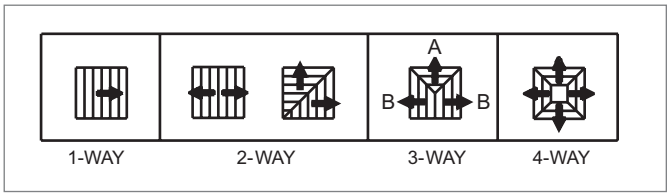


SHFR, AVAILABLE NECK SIZES

Nominal Panel	Neck Sizes
24"x24" (610x610)	6"x6" (152x152)
	9"x9" (229x229)
	12"x12" (305x305)
	15"x15" (381x381)
	18"x18" (457x457)

NOTE: Dimensions in parentheses are mm.

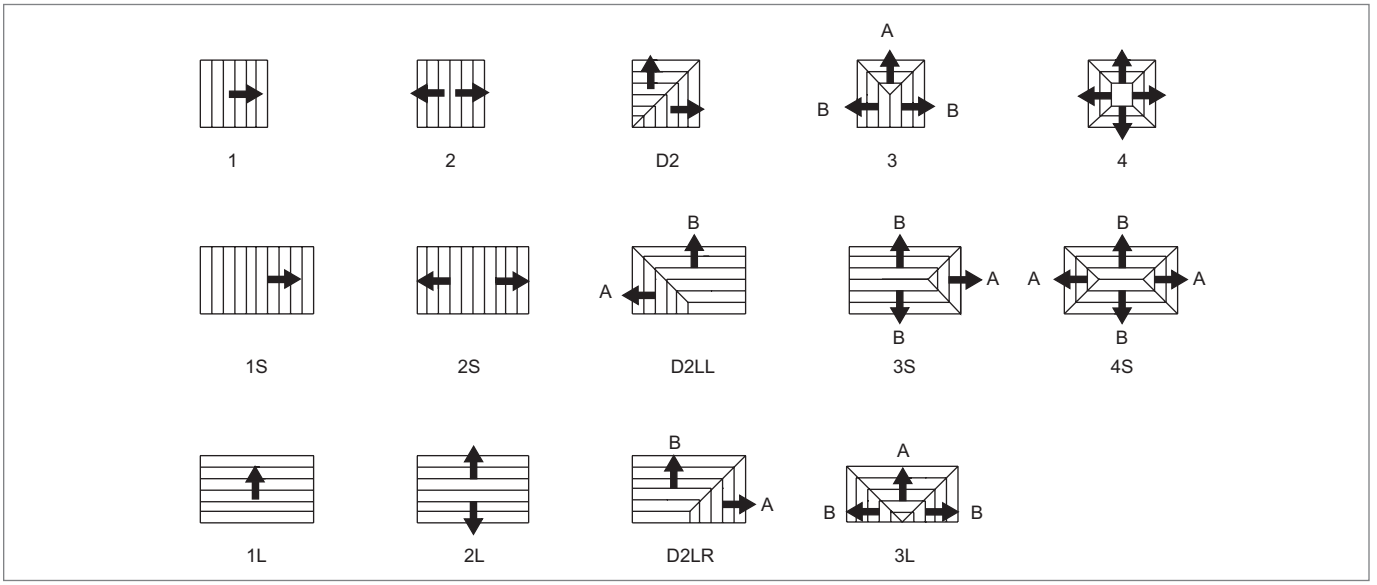
SHFR, DISCHARGE AIR PATTERNS



NOTE: 'A' & 'B' notations correspond to performance data.

SH, 5SH, MSH Discharge Air Patterns

SH, 5SH, MSH, DISCHARGE AIR PATTERNS (FACE VIEW)

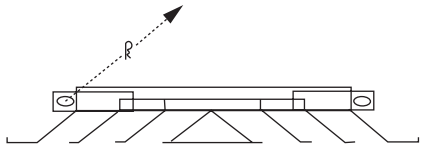


NOTE: 'A' & 'B' notations correspond to performance data.

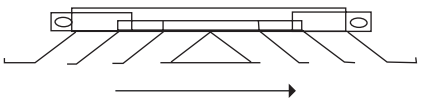
SH, 5SH, SHFR, MSH Snap-In Core

SNAP-IN CORE INSTRUCTIONS

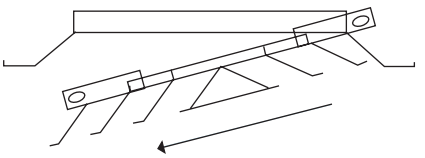
The SH series snap-in core is ideal for applications where no screws are required. The core is held in place by two tabs which slide into the outer frame. The other side is secured by a positive lock arrangement. The core is easily removed by releasing the cotter pins (must be removed prior to installation) and removing the core.



STEP 1: Remove shipping clips.



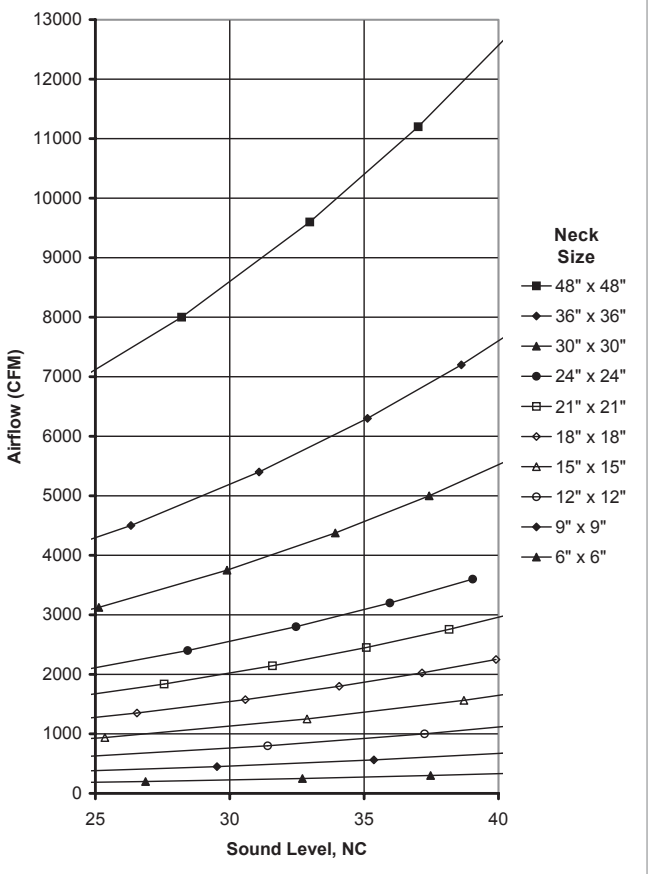
STEP 2: Push core sideways.



STEP 3: Hold core securely and allow it to drop down.

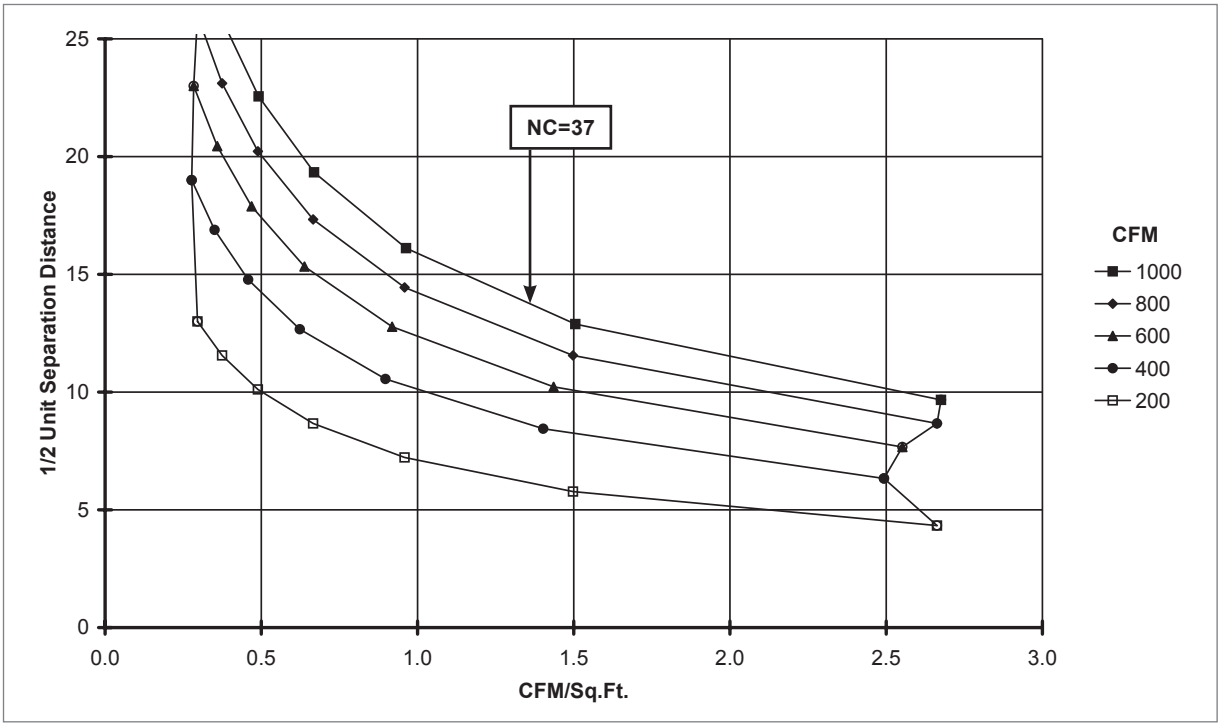
SH, 5SH Reference Chart

AIRFLOW VS. NC LEVEL: SH SERIES (NO DAMPER)

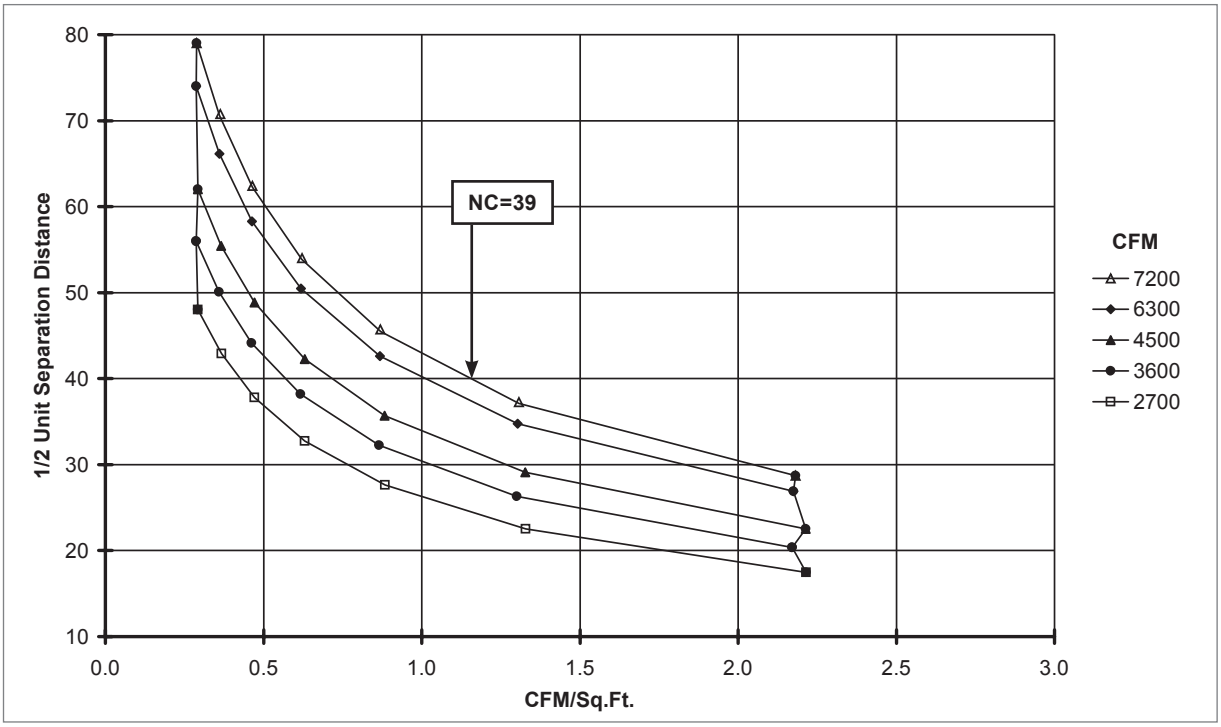


SH, 5SH, MSH Reference Charts: Horizontal Throw

DIFFUSER SPACING FOR 80% ADPI: SH, 5SH, MSH, 12"x12" NECK, 4-WAY (NO DAMPER)



DIFFUSER SPACING FOR 80% ADPI: SH, 5SH, 36"x36" NECK, 4-WAY (NO DAMPER)



NOTES: Charts are at 20 BTUH/ft² loads. See the Engineering section of this catalog for instructions on how to read these charts and additional ADPI information.

SH, 5SH, SHFR, MSH Performance Data: Horizontal Throw

IP DATA: SH, 5SH, SHFR, MSH (NO DAMPER)

						Air Discharge Pattern						
Neck Dim	Neck Vel	Total Pres	Static Pres	Total Flow	NC	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 6"	200	0.015	0.013	50	-	5 - 8 - 11	3 - 4 - 8	13	1 - 3 - 7	19	2 - 4 - 7	1 - 3 - 7
	400	0.061	0.051	100	-	9 - 11 - 16	5 - 8 - 12	25	4 - 7 - 9	38	3 - 6 - 10	4 - 7 - 9
	600	0.138	0.116	150	19	11 - 14 - 20	8 - 10 - 15	38	7 - 8 - 11	56	6 - 9 - 12	7 - 8 - 11
	800	0.246	0.206	200	27	13 - 16 - 23	10 - 12 - 17	50	8 - 9 - 13	75	8 - 10 - 14	8 - 9 - 13
	1000	0.384	0.322	250	33	15 - 18 - 25	11 - 14 - 19	63	8 - 10 - 15	94	9 - 11 - 16	8 - 10 - 15
	1200	0.553	0.463	300	37	16 - 20 - 28	12 - 15 - 21	75	9 - 11 - 16	113	10 - 12 - 17	9 - 11 - 16
	1300	0.649	0.543	325	40	17 - 21 - 29	13 - 15 - 22	81	10 - 12 - 17	122	10 - 13 - 18	10 - 12 - 17
9" x 9"	200	0.015	0.013	113	-	8 - 11 - 17	4 - 6 - 11	28	2 - 4 - 10	42	4 - 6 - 11	2 - 4 - 10
	400	0.061	0.051	225	11	14 - 17 - 24	8 - 11 - 18	56	7 - 10 - 14	84	7 - 11 - 16	7 - 10 - 14
	600	0.138	0.116	338	22	17 - 21 - 30	11 - 16 - 22	84	10 - 12 - 17	127	11 - 14 - 20	10 - 12 - 17
	800	0.246	0.206	450	30	20 - 24 - 34	15 - 18 - 26	113	11 - 14 - 20	169	13 - 16 - 23	11 - 14 - 20
	1000	0.384	0.322	563	35	22 - 27 - 38	17 - 20 - 29	141	13 - 16 - 22	211	15 - 18 - 25	13 - 16 - 22
	1100	0.465	0.389	619	38	23 - 28 - 40	17 - 21 - 30	155	13 - 16 - 23	232	15 - 19 - 27	13 - 16 - 23
	1200	0.553	0.463	675	40	24 - 30 - 42	18 - 22 - 31	169	14 - 17 - 24	253	16 - 20 - 28	14 - 17 - 24
12" x 12"	200	0.015	0.013	200	-	10 - 15 - 23	5 - 8 - 15	50	3 - 6 - 13	75	5 - 7 - 15	3 - 6 - 13
	400	0.061	0.051	400	13	19 - 23 - 32	10 - 15 - 24	100	9 - 13 - 19	150	10 - 15 - 21	9 - 13 - 19
	600	0.138	0.116	600	24	23 - 28 - 39	15 - 21 - 30	150	13 - 16 - 23	225	15 - 18 - 26	13 - 16 - 23
	800	0.246	0.206	800	31	26 - 32 - 46	20 - 24 - 34	200	15 - 19 - 26	300	17 - 21 - 30	15 - 19 - 26
	1000	0.384	0.322	1000	37	29 - 36 - 51	22 - 27 - 38	250	17 - 21 - 29	375	19 - 24 - 34	17 - 21 - 29
	1100	0.465	0.389	1100	40	31 - 38 - 53	23 - 28 - 40	275	18 - 22 - 31	413	20 - 25 - 35	18 - 22 - 31
	1200	0.553	0.463	1200	42	32 - 39 - 56	24 - 30 - 42	300	19 - 23 - 32	450	21 - 26 - 37	19 - 23 - 32
15" x 15"	200	0.015	0.013	313	-	13 - 19 - 29	6 - 10 - 19	78	3 - 7 - 16	117	6 - 9 - 18	3 - 7 - 16
	400	0.061	0.051	625	15	23 - 29 - 40	13 - 19 - 30	156	11 - 16 - 23	234	12 - 18 - 27	11 - 16 - 23
	600	0.138	0.116	938	25	29 - 35 - 49	19 - 26 - 37	234	16 - 20 - 28	352	18 - 23 - 33	16 - 20 - 28
	800	0.246	0.206	1250	33	33 - 40 - 57	25 - 30 - 43	313	19 - 23 - 33	469	22 - 27 - 38	19 - 23 - 33
	1000	0.384	0.322	1563	39	37 - 45 - 64	28 - 34 - 48	391	21 - 26 - 37	586	24 - 30 - 42	21 - 26 - 37
	1100	0.465	0.389	1719	41	39 - 47 - 67	29 - 35 - 50	430	22 - 27 - 38	645	26 - 31 - 44	22 - 27 - 38
	1200	0.553	0.463	1875	43	40 - 49 - 70	30 - 37 - 52	469	23 - 28 - 40	703	27 - 33 - 46	23 - 28 - 40
18" x 18"	200	0.015	0.013	450	-	15 - 23 - 34	8 - 11 - 23	113	4 - 9 - 20	169	7 - 11 - 22	4 - 9 - 20
	400	0.061	0.051	900	16	28 - 34 - 48	15 - 23 - 36	225	13 - 20 - 28	338	15 - 22 - 32	13 - 20 - 28
	600	0.138	0.116	1350	27	34 - 42 - 59	23 - 31 - 44	338	20 - 24 - 34	506	22 - 28 - 39	20 - 24 - 34
	800	0.246	0.206	1800	34	39 - 48 - 68	30 - 36 - 51	450	23 - 28 - 39	675	26 - 32 - 45	23 - 28 - 39
	900	0.311	0.260	2025	37	42 - 51 - 73	31 - 38 - 54	506	24 - 30 - 42	759	28 - 34 - 48	24 - 30 - 42
	1000	0.384	0.322	2250	40	44 - 54 - 76	33 - 41 - 57	563	25 - 31 - 44	844	29 - 36 - 51	25 - 31 - 44
	1100	0.465	0.389	2475	42	46 - 57 - 80	35 - 42 - 60	619	27 - 33 - 46	928	31 - 38 - 53	27 - 33 - 46

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, ISO Standard 5219, and ISO Standard 3741. 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 B1-36 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.

SH, 5SH Performance Data: Horizontal Throw

IP DATA: SH, 5SH (NO DAMPER)

						Air Discharge Pattern						
Neck Dim	Neck Vel	Total Pres	Static Pres	Total Flow	NC	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
21" x 21"	200	0.015	0.013	613	-	18 - 27 - 40	9 - 13 - 27	153	5 - 10 - 23	230	8 - 13 - 26	5 - 10 - 23
	400	0.061	0.051	1225	17	33 - 40 - 56	18 - 27 - 42	306	16 - 23 - 32	459	17 - 26 - 37	16 - 23 - 32
	600	0.138	0.116	1838	28	40 - 49 - 69	27 - 37 - 52	459	23 - 28 - 40	689	26 - 32 - 46	23 - 28 - 40
	800	0.246	0.206	2450	35	46 - 56 - 80	35 - 42 - 60	613	27 - 32 - 46	919	31 - 37 - 53	27 - 32 - 46
	900	0.311	0.260	2756	38	49 - 60 - 85	37 - 45 - 63	689	28 - 34 - 49	1034	32 - 40 - 56	28 - 34 - 49
	1000	0.384	0.322	3063	41	52 - 63 - 89	39 - 47 - 67	766	30 - 36 - 51	1148	34 - 42 - 59	30 - 36 - 51
	1100	0.465	0.389	3369	43	54 - 66 - 94	40 - 50 - 70	842	31 - 38 - 54	1263	36 - 44 - 62	31 - 38 - 54
24" x 24"	200	0.015	0.013	800	-	20 - 31 - 46	10 - 15 - 30	200	5 - 12 - 26	300	10 - 15 - 29	5 - 12 - 26
	400	0.061	0.051	1600	18	37 - 46 - 64	20 - 30 - 48	400	18 - 26 - 37	600	20 - 29 - 43	18 - 26 - 37
	600	0.138	0.116	2400	28	46 - 56 - 79	30 - 42 - 59	600	26 - 32 - 45	900	29 - 37 - 52	26 - 32 - 45
	700	0.188	0.158	2800	32	49 - 60 - 85	35 - 45 - 64	700	28 - 35 - 49	1050	33 - 40 - 56	28 - 35 - 49
	800	0.246	0.206	3200	36	53 - 64 - 91	39 - 48 - 68	800	30 - 37 - 52	1200	35 - 43 - 60	30 - 37 - 52
	900	0.311	0.260	3600	39	56 - 68 - 97	42 - 51 - 72	900	32 - 39 - 56	1350	37 - 45 - 64	32 - 39 - 56
	1000	0.384	0.322	4000	42	59 - 72 - 102	44 - 54 - 76	1000	34 - 41 - 59	1500	39 - 48 - 68	34 - 41 - 59
30" x 30"	200	0.015	0.013	1250	-	26 - 38 - 57	13 - 19 - 38	313	7 - 15 - 33	469	12 - 18 - 37	7 - 15 - 33
	400	0.061	0.051	2500	19	47 - 57 - 81	25 - 38 - 60	625	22 - 33 - 46	938	25 - 37 - 53	22 - 33 - 46
	600	0.138	0.116	3750	30	57 - 70 - 99	38 - 52 - 74	938	33 - 40 - 57	1406	37 - 46 - 65	33 - 40 - 57
	700	0.188	0.158	4375	34	62 - 75 - 107	44 - 56 - 80	1094	35 - 43 - 61	1641	41 - 50 - 71	35 - 43 - 61
	800	0.246	0.206	5000	37	66 - 81 - 114	49 - 60 - 85	1250	38 - 46 - 66	1875	44 - 53 - 76	38 - 46 - 66
	900	0.311	0.260	5625	41	70 - 86 - 121	52 - 64 - 91	1406	40 - 49 - 70	2109	46 - 57 - 80	40 - 49 - 70
	1000	0.384	0.322	6250	43	74 - 90 - 127	55 - 68 - 95	1563	42 - 52 - 73	2344	49 - 60 - 84	42 - 52 - 73
36" x 36"	200	0.015	0.013	1800	-	31 - 46 - 68	15 - 23 - 46	450	8 - 18 - 39	675	14 - 22 - 44	8 - 18 - 39
	400	0.061	0.051	3600	20	56 - 68 - 97	30 - 46 - 72	900	27 - 39 - 56	1350	29 - 44 - 64	27 - 39 - 56
	500	0.096	0.080	4500	26	62 - 76 - 108	38 - 57 - 81	1125	33 - 44 - 62	1688	37 - 51 - 72	33 - 44 - 62
	600	0.138	0.116	5400	31	68 - 84 - 118	46 - 63 - 89	1350	39 - 48 - 68	2025	44 - 55 - 78	39 - 48 - 68
	700	0.188	0.158	6300	35	74 - 90 - 128	53 - 68 - 96	1575	43 - 52 - 74	2363	49 - 60 - 85	43 - 52 - 74
	800	0.246	0.206	7200	39	79 - 97 - 137	59 - 72 - 102	1800	45 - 56 - 79	2700	52 - 64 - 91	45 - 56 - 79
	900	0.311	0.260	8100	42	84 - 103 - 145	63 - 77 - 109	2025	48 - 59 - 83	3038	55 - 68 - 96	48 - 59 - 83
48" x 48"	200	0.015	0.013	3200	-	41 - 61 - 91	20 - 30 - 61	800	11 - 24 - 52	1200	19 - 29 - 59	11 - 24 - 52
	400	0.061	0.051	6400	22	74 - 91 - 129	41 - 61 - 97	1600	36 - 52 - 74	2400	39 - 59 - 85	36 - 52 - 74
	500	0.096	0.080	8000	28	83 - 102 - 144	51 - 76 - 108	2000	44 - 59 - 83	3000	49 - 68 - 96	44 - 59 - 83
	550	0.116	0.097	8800	31	87 - 107 - 151	56 - 80 - 113	2200	49 - 62 - 87	3300	54 - 71 - 100	49 - 62 - 87
	600	0.138	0.116	9600	33	91 - 112 - 158	61 - 84 - 118	2400	52 - 64 - 91	3600	59 - 74 - 105	52 - 64 - 91
	700	0.188	0.158	11200	37	99 - 121 - 171	71 - 90 - 128	2800	57 - 69 - 98	4200	65 - 80 - 113	57 - 69 - 98
	800	0.246	0.206	12800	41	105 - 129 - 182	79 - 97 - 137	3200	61 - 74 - 105	4800	70 - 85 - 121	61 - 74 - 105

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, ISO Standard 5219, and ISO Standard 3741. 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 B1-36 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.

SH, 5SH, MSH Performance Data: Horizontal Throw

IP DATA: SH, 5SH, MSH, ULTRA THROW (NO DAMPER)

						Discharge Air Pattern					
Neck Dim	Neck Vel	Total Pres	Static Pres	Total Flow	NC	D2-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 6"	200	0.017	0.014	50	-	3 - 4 - 7	13	1 - 3 - 6	19	2 - 4 - 6	1 - 3 - 6
	400	0.068	0.058	100	12	5 - 7 - 10	25	4 - 6 - 8	38	3 - 6 - 8	4 - 6 - 8
	600	0.152	0.130	150	22	7 - 9 - 12	38	6 - 7 - 10	56	6 - 7 - 10	6 - 7 - 10
	800	0.270	0.230	200	30	8 - 10 - 14	50	6 - 8 - 11	75	7 - 8 - 12	6 - 8 - 11
	1000	0.422	0.360	250	36	9 - 11 - 16	63	7 - 9 - 12	94	8 - 9 - 13	7 - 9 - 12
	1200	0.608	0.518	300	40	10 - 12 - 18	75	8 - 10 - 14	113	8 - 10 - 14	8 - 10 - 14
	1300	0.714	0.608	325	43	11 - 13 - 18	81	8 - 10 - 14	122	9 - 11 - 15	8 - 10 - 14
9" x 9"	200	0.017	0.014	113	-	4 - 6 - 11	28	2 - 4 - 8	42	4 - 6 - 10	2 - 4 - 8
	400	0.068	0.058	225	14	8 - 11 - 15	56	7 - 8 - 12	84	7 - 10 - 13	7 - 8 - 12
	600	0.152	0.130	338	25	11 - 13 - 19	84	8 - 10 - 14	127	10 - 12 - 17	8 - 10 - 14
	800	0.270	0.230	450	33	12 - 15 - 22	113	10 - 12 - 17	169	11 - 13 - 19	10 - 12 - 17
	1000	0.422	0.360	563	38	14 - 17 - 24	141	11 - 13 - 19	211	12 - 15 - 21	11 - 13 - 19
	1100	0.511	0.436	619	41	15 - 18 - 25	155	11 - 14 - 19	232	13 - 16 - 22	11 - 14 - 19
	1200	0.608	0.518	675	43	15 - 19 - 26	169	12 - 14 - 20	253	13 - 17 - 23	12 - 14 - 20
12" x 12"	200	0.017	0.014	200	-	5 - 8 - 14	50	3 - 6 - 11	75	5 - 7 - 13	3 - 6 - 11
	400	0.068	0.058	400	16	10 - 14 - 20	100	9 - 11 - 16	150	10 - 13 - 18	9 - 11 - 16
	600	0.152	0.130	600	27	14 - 18 - 25	150	11 - 14 - 19	225	13 - 16 - 22	11 - 14 - 19
	800	0.270	0.230	800	34	17 - 20 - 29	200	13 - 16 - 22	300	15 - 18 - 25	13 - 16 - 22
	1000	0.422	0.360	1000	40	19 - 23 - 32	250	14 - 17 - 25	375	16 - 20 - 28	14 - 17 - 25
	1100	0.511	0.436	1100	43	19 - 24 - 34	275	15 - 18 - 26	413	17 - 21 - 30	15 - 18 - 26
	1200	0.608	0.518	1200	45	20 - 25 - 35	300	16 - 19 - 27	450	18 - 22 - 31	16 - 19 - 27
15" x 15"	200	0.017	0.014	313	-	6 - 10 - 18	78	3 - 7 - 14	117	6 - 9 - 16	3 - 7 - 14
	400	0.068	0.058	625	18	13 - 18 - 25	156	11 - 14 - 20	234	12 - 16 - 22	11 - 14 - 20
	600	0.152	0.130	938	28	18 - 22 - 31	234	14 - 17 - 24	352	16 - 19 - 28	14 - 17 - 24
	800	0.270	0.230	1250	36	21 - 25 - 36	313	16 - 20 - 28	469	18 - 22 - 32	16 - 20 - 28
	1000	0.422	0.360	1563	42	23 - 28 - 40	391	18 - 22 - 31	586	21 - 25 - 36	18 - 22 - 31
	1100	0.511	0.436	1719	44	24 - 30 - 42	430	19 - 23 - 32	645	22 - 26 - 37	19 - 23 - 32
	1200	0.608	0.518	1875	46	25 - 31 - 44	469	20 - 24 - 34	703	22 - 28 - 39	20 - 24 - 34
18" x 18"	200	0.017	0.014	450	-	8 - 11 - 22	113	4 - 9 - 17	169	7 - 11 - 19	4 - 9 - 17
	400	0.068	0.058	900	19	15 - 22 - 31	225	13 - 17 - 23	338	15 - 19 - 27	13 - 17 - 23
	600	0.152	0.130	1350	30	22 - 26 - 37	338	17 - 20 - 29	506	19 - 23 - 33	17 - 20 - 29
	800	0.270	0.230	1800	37	25 - 31 - 43	450	19 - 23 - 33	675	22 - 27 - 38	19 - 23 - 33
	900	0.342	0.292	2025	40	26 - 32 - 46	506	20 - 25 - 35	759	23 - 29 - 40	20 - 25 - 35
	1000	0.422	0.360	2250	43	28 - 34 - 48	563	21 - 26 - 37	844	25 - 30 - 43	21 - 26 - 37
	1100	0.511	0.436	2475	45	29 - 36 - 51	619	22 - 27 - 39	928	26 - 32 - 45	22 - 27 - 39

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, ISO Standard 5219, and ISO Standard 3741. The throw values given for D2-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 B1-36 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.

SH, 5SH Performance Data: Horizontal Throw

IP DATA: SH, 5SH, ULTRA THROW, (NO DAMPER)

						Discharge Air Pattern					
Neck Dim	Neck Vel	Total Pres	Static Pres	Total Flow	NC	D2-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
21" x 21"	200	0.017	0.014	613	-	9 - 13 - 25	153	5 - 10 - 19	230	8 - 13 - 22	5 - 10 - 19
	400	0.068	0.058	1225	20	18 - 25 - 36	306	16 - 19 - 27	459	17 - 22 - 31	16 - 19 - 27
	600	0.152	0.130	1838	31	25 - 31 - 44	459	19 - 24 - 33	689	22 - 27 - 39	19 - 24 - 33
	800	0.270	0.230	2450	38	29 - 36 - 50	613	22 - 27 - 39	919	26 - 31 - 45	22 - 27 - 39
	900	0.342	0.292	2756	41	31 - 38 - 53	689	24 - 29 - 41	1034	27 - 33 - 47	24 - 29 - 41
	1000	0.422	0.360	3063	44	33 - 40 - 56	766	25 - 31 - 43	1148	29 - 35 - 50	25 - 31 - 43
	1100	0.511	0.436	3369	46	34 - 42 - 59	842	26 - 32 - 45	1263	30 - 37 - 52	26 - 32 - 45
24" x 24"	200	0.017	0.014	800	-	10 - 15 - 29	200	5 - 12 - 22	300	10 - 15 - 25	5 - 12 - 22
	400	0.068	0.058	1600	21	20 - 29 - 41	400	18 - 22 - 31	600	20 - 25 - 36	18 - 22 - 31
	600	0.152	0.130	2400	31	29 - 35 - 50	600	22 - 27 - 38	900	25 - 31 - 44	22 - 27 - 38
	700	0.207	0.176	2800	35	31 - 38 - 54	700	24 - 29 - 41	1050	27 - 34 - 48	24 - 29 - 41
	800	0.270	0.230	3200	39	33 - 41 - 58	800	26 - 31 - 44	1200	29 - 36 - 51	26 - 31 - 44
	900	0.342	0.292	3600	42	35 - 43 - 61	900	27 - 33 - 47	1350	31 - 38 - 54	27 - 33 - 47
	1000	0.422	0.360	4000	45	37 - 45 - 64	1000	29 - 35 - 49	1500	33 - 40 - 57	29 - 35 - 49
30" x 30"	200	0.017	0.014	1250	-	13 - 19 - 36	313	7 - 15 - 28	469	12 - 18 - 32	7 - 15 - 28
	400	0.068	0.058	2500	22	25 - 36 - 51	625	22 - 28 - 39	938	25 - 32 - 45	22 - 28 - 39
	600	0.152	0.130	3750	33	36 - 44 - 62	938	28 - 34 - 48	1406	32 - 39 - 55	28 - 34 - 48
	700	0.207	0.176	4375	37	39 - 48 - 67	1094	30 - 37 - 52	1641	34 - 42 - 59	30 - 37 - 52
	800	0.270	0.230	5000	40	42 - 51 - 72	1250	32 - 39 - 55	1875	37 - 45 - 64	32 - 39 - 55
	900	0.342	0.292	5625	44	44 - 54 - 76	1406	34 - 41 - 59	2109	39 - 48 - 67	34 - 41 - 59
	1000	0.422	0.360	6250	46	46 - 57 - 80	1563	36 - 44 - 62	2344	41 - 50 - 71	36 - 44 - 62
36" x 36"	200	0.017	0.014	1800	-	15 - 23 - 43	450	8 - 18 - 33	675	14 - 22 - 38	8 - 18 - 33
	400	0.068	0.058	3600	23	30 - 43 - 61	900	27 - 33 - 47	1350	29 - 38 - 54	27 - 33 - 47
	500	0.106	0.090	4500	29	38 - 48 - 68	1125	30 - 37 - 52	1688	35 - 43 - 60	30 - 37 - 52
	600	0.152	0.130	5400	34	43 - 53 - 75	1350	33 - 41 - 57	2025	38 - 47 - 66	33 - 41 - 57
	700	0.207	0.176	6300	38	47 - 57 - 81	1575	36 - 44 - 62	2363	41 - 50 - 71	36 - 44 - 62
	800	0.270	0.230	7200	42	50 - 61 - 86	1800	38 - 47 - 66	2700	44 - 54 - 76	38 - 47 - 66
	900	0.342	0.292	8100	45	53 - 65 - 92	2025	41 - 50 - 70	3038	47 - 57 - 81	41 - 50 - 70
48" x 48"	200	0.017	0.014	3200	-	20 - 30 - 58	800	11 - 24 - 44	1200	19 - 29 - 51	11 - 24 - 44
	400	0.068	0.058	6400	25	41 - 58 - 81	1600	36 - 44 - 63	2400	39 - 51 - 72	36 - 44 - 63
	500	0.106	0.090	8000	31	51 - 64 - 91	2000	40 - 49 - 70	3000	46 - 57 - 80	40 - 49 - 70
	550	0.128	0.109	8800	34	55 - 67 - 95	2200	42 - 52 - 73	3300	49 - 60 - 84	42 - 52 - 73
	600	0.152	0.130	9600	36	58 - 70 - 100	2400	44 - 54 - 77	3600	51 - 62 - 88	44 - 54 - 77
	700	0.207	0.176	11200	40	62 - 76 - 108	2800	48 - 58 - 83	4200	55 - 67 - 95	48 - 58 - 83
	800	0.270	0.230	12800	44	66 - 81 - 115	3200	51 - 63 - 88	4800	59 - 72 - 102	51 - 63 - 88

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, ISO Standard 5219, and ISO Standard 3741. The throw values given for D2-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 B1-36 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.

SH, 5SH, SHFR, MSH Performance Data: Horizontal Throw

METRIC DATA: SH, 5SH, SHFR, MSH (NO DAMPER)

						Discharge Air Pattern						
Neck Dim	Neck Vel	Total Pres	Static Pres	Total Flow	NC	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	1.02	3.8	3.2	24	-	1.6 - 2.3 - 3.5	0.8 - 1.2 - 2.3	6	0.4 - 0.9 - 2.0	9	0.7 - 1.1 - 2.2	0.4 - 0.9 - 2.0
	2.03	15.3	12.8	47	-	2.8 - 3.5 - 4.9	1.5 - 2.3 - 3.7	12	1.3 - 2.0 - 2.8	18	1.1 - 1.8 - 3.0	1.3 - 2.0 - 2.8
	3.05	34.4	28.8	71	19	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
	4.06	61.2	51.2	94	27	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	95.6	80.1	118	33	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	137.7	115.3	142	37	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
	6.60	161.6	135.3	153	40	5.1 - 6.2 - 8.8	3.8 - 4.7 - 6.6	38	2.9 - 3.6 - 5.1	58	3.1 - 3.8 - 5.4	2.9 - 3.6 - 5.1
229 x 229	1.02	3.8	3.2	53	-	2.3 - 3.5 - 5.2	1.2 - 1.7 - 3.5	13	0.6 - 1.4 - 3.0	20	1.1 - 1.7 - 3.4	0.6 - 1.4 - 3.0
	2.03	15.3	12.8	106	11	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
	3.05	34.4	28.8	159	22	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
	4.06	61.2	51.2	212	30	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	95.6	80.1	265	35	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	115.7	96.9	292	38	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
	6.10	137.7	115.3	319	40	7.4 - 9.0 - 12.7	5.5 - 6.7 - 9.5	80	4.2 - 5.2 - 7.3	119	4.9 - 6.0 - 8.4	4.2 - 5.2 - 7.3
305 x 305	1.02	3.8	3.2	94	-	3.1 - 4.7 - 6.9	1.5 - 2.3 - 4.6	24	0.8 - 1.8 - 4.0	35	1.5 - 2.2 - 4.5	0.8 - 1.8 - 4.0
	2.03	15.3	12.8	189	13	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
	3.05	34.4	28.8	283	24	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
	4.06	61.2	51.2	378	31	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
	5.08	95.6	80.1	472	37	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
	5.59	115.7	96.9	519	40	9.4 - 11.5 - 16.3	7.0 - 8.6 - 12.2	130	5.4 - 6.6 - 9.4	195	6.2 - 7.6 - 10.8	5.4 - 6.6 - 9.4
	6.10	137.7	115.3	566	42	9.8 - 12.0 - 17.0	7.3 - 9.0 - 12.7	142	5.6 - 6.9 - 9.8	212	6.5 - 8.0 - 11.2	5.6 - 6.9 - 9.8
381 x 381	1.02	3.8	3.2	147	-	3.9 - 5.8 - 8.7	1.9 - 2.9 - 5.8	37	1.0 - 2.3 - 5.0	55	1.8 - 2.8 - 5.6	1.0 - 2.3 - 5.0
	2.03	15.3	12.8	295	15	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
	3.05	34.4	28.8	442	25	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
	4.06	61.2	51.2	590	33	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	95.6	80.1	737	39	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
	5.59	115.7	96.9	811	41	11.7 - 14.4 - 20.3	8.8 - 10.8 - 15.2	203	6.8 - 8.3 - 11.7	304	7.8 - 9.5 - 13.5	6.8 - 8.3 - 11.7
	6.10	137.7	115.3	885	43	12.3 - 15.0 - 21.2	9.2 - 11.2 - 15.9	221	7.1 - 8.6 - 12.2	332	8.1 - 9.9 - 14.1	7.1 - 8.6 - 12.2
457 x 457	1.02	3.8	3.2	212	-	4.7 - 7.0 - 10.4	2.3 - 3.5 - 6.9	53	1.2 - 2.7 - 6.0	80	2.2 - 3.4 - 6.7	1.2 - 2.7 - 6.0
	2.03	15.3	12.8	425	16	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
	3.05	34.4	28.8	637	27	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
	4.06	61.2	51.2	850	34	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	77.4	64.9	956	37	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
	5.08	95.6	80.1	1062	40	13.4 - 16.4 - 23.2	10.1 - 12.3 - 17.4	265	7.7 - 9.5 - 13.4	398	8.9 - 10.9 - 15.4	7.7 - 9.5 - 13.4
	5.59	115.7	96.9	1168	42	14.1 - 17.2 - 24.4	10.5 - 12.9 - 18.3	292	8.1 - 9.9 - 14.0	438	9.3 - 11.4 - 16.1	8.1 - 9.9 - 14.0

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, ISO Standard 5219, and ISO Standard 3741. 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 B1-36 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.

SH, 5SH Performance Data: Horizontal Throw

METRIC DATA: SH, 5SH (NO DAMPER)

						Discharge Air Pattern						
Neck Dim	Neck Vel	Total Pres	Static Pres	Total Flow	NC	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
533 x 533	1.02	3.8	3.2	289	-	5.4 - 8.1 - 12.1	2.7 - 4.0 - 8.1	72	1.4 - 3.2 - 7.0	108	2.5 - 3.9 - 7.8	1.4 - 3.2 - 7.0
	2.03	15.3	12.8	578	17	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
	3.05	34.4	28.8	867	28	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
	4.06	61.2	51.2	1156	35	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	77.4	64.9	1301	38	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
	5.08	95.6	80.1	1445	41	15.7 - 19.2 - 27.1	11.7 - 14.4 - 20.3	361	9.0 - 11.0 - 15.6	542	10.4 - 12.7 - 18.0	9.0 - 11.0 - 15.6
	5.59	115.7	96.9	1590	43	16.4 - 20.1 - 28.4	12.3 - 15.1 - 21.3	397	9.5 - 11.6 - 16.4	596	10.9 - 13.3 - 18.8	9.5 - 11.6 - 16.4
610 x 610	1.02	3.8	3.2	378	-	6.2 - 9.3 - 13.9	3.1 - 4.6 - 9.2	94	1.6 - 3.6 - 8.0	142	2.9 - 4.5 - 8.9	1.6 - 3.6 - 8.0
	2.03	15.3	12.8	755	18	11.3 - 13.9 - 19.6	6.2 - 9.2 - 14.7	189	5.4 - 8.0 - 11.3	283	6.0 - 8.9 - 13.0	5.4 - 8.0 - 11.3
	3.05	34.4	28.8	1133	28	13.9 - 17.0 - 24.0	9.2 - 12.7 - 18.0	283	8.0 - 9.8 - 13.8	425	8.9 - 11.2 - 15.9	8.0 - 9.8 - 13.8
	3.56	46.8	39.2	1321	32	15.0 - 18.3 - 25.9	10.8 - 13.7 - 19.4	330	8.6 - 10.6 - 14.9	496	9.9 - 12.1 - 17.2	8.6 - 10.6 - 14.9
	4.06	61.2	51.2	1510	36	16.0 - 19.6 - 27.7	12.0 - 14.7 - 20.8	378	9.2 - 11.3 - 16.0	566	10.6 - 13.0 - 18.4	9.2 - 11.3 - 16.0
	4.57	77.4	64.9	1699	39	17.0 - 20.8 - 29.4	12.7 - 15.6 - 22.0	425	9.8 - 12.0 - 16.9	637	11.2 - 13.8 - 19.5	9.8 - 12.0 - 16.9
	5.08	95.6	80.1	1888	42	17.9 - 21.9 - 31.0	13.4 - 16.4 - 23.2	472	10.3 - 12.6 - 17.8	708	11.9 - 14.5 - 20.5	10.3 - 12.6 - 17.8
762 x 762	1.02	3.8	3.2	590	-	7.8 - 11.6 - 17.3	3.9 - 5.8 - 11.6	147	2.0 - 4.5 - 10.0	221	3.6 - 5.6 - 11.2	2.0 - 4.5 - 10.0
	2.03	15.3	12.8	1180	19	14.1 - 17.3 - 24.5	7.7 - 11.6 - 18.4	295	6.7 - 10.0 - 14.1	442	7.5 - 11.2 - 16.2	6.7 - 10.0 - 14.1
	3.05	34.4	28.8	1770	30	17.3 - 21.2 - 30.0	11.6 - 15.9 - 22.5	442	10.0 - 12.2 - 17.3	664	11.2 - 14.1 - 19.9	10.0 - 12.2 - 17.3
	3.56	46.8	39.2	2065	34	18.7 - 22.9 - 32.4	13.5 - 17.2 - 24.3	516	10.8 - 13.2 - 18.7	774	12.4 - 15.2 - 21.5	10.8 - 13.2 - 18.7
	4.06	61.2	51.2	2360	37	20.0 - 24.5 - 34.7	15.0 - 18.4 - 26.0	590	11.5 - 14.1 - 19.9	885	13.3 - 16.2 - 23.0	11.5 - 14.1 - 19.9
	4.57	77.4	64.9	2655	41	21.2 - 26.0 - 36.8	15.9 - 19.5 - 27.5	664	12.2 - 15.0 - 21.2	996	14.1 - 17.2 - 24.3	12.2 - 15.0 - 21.2
	5.08	95.6	80.1	2950	43	22.4 - 27.4 - 38.7	16.8 - 20.5 - 29.0	737	12.9 - 15.8 - 22.3	1106	14.8 - 18.1 - 25.7	12.9 - 15.8 - 22.3
914 x 914	1.02	3.8	3.2	850	-	9.3 - 14.0 - 20.8	4.6 - 6.9 - 13.9	212	2.4 - 5.4 - 12.0	319	4.4 - 6.7 - 13.4	2.4 - 5.4 - 12.0
	2.03	15.3	12.8	1699	20	17.0 - 20.8 - 29.4	9.2 - 13.9 - 22.0	425	8.1 - 12.0 - 16.9	637	8.9 - 13.4 - 19.5	8.1 - 12.0 - 16.9
	2.54	23.9	20.0	2124	26	19.0 - 23.2 - 32.9	11.6 - 17.3 - 24.6	531	10.1 - 13.4 - 18.9	796	11.2 - 15.4 - 21.8	10.1 - 13.4 - 18.9
	3.05	34.4	28.8	2549	31	20.8 - 25.5 - 36.0	13.9 - 19.1 - 27.0	637	12.0 - 14.7 - 20.7	956	13.4 - 16.9 - 23.9	12.0 - 14.7 - 20.7
	3.56	46.8	39.2	2973	35	22.5 - 27.5 - 38.9	16.2 - 20.6 - 29.1	743	12.9 - 15.8 - 22.4	1115	14.9 - 18.2 - 25.8	12.9 - 15.8 - 22.4
	4.06	61.2	51.2	3398	39	24.0 - 29.4 - 41.6	18.0 - 22.0 - 31.2	850	13.8 - 16.9 - 23.9	1274	15.9 - 19.5 - 27.5	13.8 - 16.9 - 23.9
	4.57	77.4	64.9	3823	42	25.5 - 31.2 - 44.1	19.1 - 23.4 - 33.0	956	14.7 - 17.9 - 25.4	1434	16.9 - 20.7 - 29.2	14.7 - 17.9 - 25.4
1219 x 1219	1.02	3.8	3.2	1510	-	12.4 - 18.6 - 27.7	6.2 - 9.2 - 18.5	378	3.2 - 7.2 - 16.0	566	5.8 - 8.9 - 17.9	3.2 - 7.2 - 16.0
	2.03	15.3	12.8	3020	22	22.6 - 27.7 - 39.2	12.3 - 18.5 - 29.4	755	10.8 - 16.0 - 22.6	1133	11.9 - 17.9 - 26.0	10.8 - 16.0 - 22.6
	2.54	23.9	20.0	3776	28	25.3 - 31.0 - 43.8	15.4 - 23.1 - 32.8	944	13.5 - 17.8 - 25.2	1416	14.9 - 20.5 - 29.0	13.5 - 17.8 - 25.2
	2.79	28.9	24.2	4153	31	26.5 - 32.5 - 46.0	16.9 - 24.4 - 34.4	1038	14.8 - 18.7 - 26.5	1557	16.4 - 21.5 - 30.4	14.8 - 18.7 - 26.5
	3.05	34.4	28.8	4531	33	27.7 - 34.0 - 48.0	18.5 - 25.4 - 36.0	1133	16.0 - 19.5 - 27.6	1699	17.9 - 22.5 - 31.8	16.0 - 19.5 - 27.6
	3.56	46.8	39.2	5286	37	29.9 - 36.7 - 51.9	21.6 - 27.5 - 38.9	1321	17.2 - 21.1 - 29.8	1982	19.8 - 24.3 - 34.4	17.2 - 21.1 - 29.8
	4.06	61.2	51.2	6041	41	32.0 - 39.2 - 55.4	24.0 - 29.4 - 41.5	1510	18.4 - 22.6 - 31.9	2265	21.2 - 26.0 - 36.7	18.4 - 22.6 - 31.9

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, ISO Standard 5219, and ISO Standard 3741. 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 B1-36 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.

SH, 5SH, MSH Performance Data: Horizontal Throw

METRIC DATA: SH, 5SH, MSH, ULTRA THROW (NO DAMPER)

						Discharge Air Pattern					
Neck Dim	Neck Vel	Total Pres	Static Pres	Total Flow	NC	D2-Way Throw	3 - Side A		3 - Side B		4-Way Throw
							Flow	Throw	Flow	Throw	
mm	m/s	Pa	Pa	L/s		m	L/s	m	L/s	m	m
152 x 152	1.02	4.2	3.6	24	-	0.8 - 1.2 - 2.2	6	0.4 - 0.9 - 1.7	9	0.7 - 1.1 - 1.9	0.4 - 0.9 - 1.7
	2.03	16.8	14.3	47	12	1.5 - 2.2 - 3.1	12	1.3 - 1.7 - 2.4	18	1.1 - 1.8 - 2.5	1.3 - 1.7 - 2.4
	3.05	37.9	32.3	71	22	2.2 - 2.7 - 3.8	18	1.7 - 2.1 - 2.9	27	1.8 - 2.2 - 3.1	1.7 - 2.1 - 2.9
	4.06	67.3	57.4	94	30	2.5 - 3.1 - 4.4	24	1.9 - 2.4 - 3.4	35	2.1 - 2.5 - 3.6	1.9 - 2.4 - 3.4
	5.08	105.2	89.6	118	36	2.8 - 3.5 - 4.9	29	2.2 - 2.7 - 3.8	44	2.3 - 2.8 - 4.0	2.2 - 2.7 - 3.8
	6.10	151.4	129.1	142	40	3.1 - 3.8 - 5.4	35	2.4 - 2.9 - 4.1	53	2.5 - 3.1 - 4.4	2.4 - 2.9 - 4.1
	6.60	177.7	151.5	153	43	3.2 - 3.9 - 5.6	38	2.5 - 3.0 - 4.3	58	2.6 - 3.2 - 4.6	2.5 - 3.0 - 4.3
229 x 229	1.02	4.2	3.6	53	-	1.2 - 1.7 - 3.3	13	0.6 - 1.4 - 2.5	20	1.1 - 1.7 - 2.9	0.6 - 1.4 - 2.5
	2.03	16.8	14.3	106	14	2.3 - 3.3 - 4.6	27	2.0 - 2.5 - 3.6	40	2.2 - 2.9 - 4.1	2.0 - 2.5 - 3.6
	3.05	37.9	32.3	159	25	3.3 - 4.0 - 5.7	40	2.5 - 3.1 - 4.4	60	2.9 - 3.6 - 5.0	2.5 - 3.1 - 4.4
	4.06	67.3	57.4	212	33	3.8 - 4.6 - 6.6	53	2.9 - 3.6 - 5.0	80	3.3 - 4.1 - 5.8	2.9 - 3.6 - 5.0
	5.08	105.2	89.6	265	38	4.2 - 5.2 - 7.3	66	3.3 - 4.0 - 5.6	100	3.7 - 4.6 - 6.5	3.3 - 4.0 - 5.6
	5.59	127.2	108.5	292	41	4.4 - 5.4 - 7.7	73	3.4 - 4.2 - 5.9	110	3.9 - 4.8 - 6.8	3.4 - 4.2 - 5.9
	6.10	151.4	129.1	319	43	4.6 - 5.7 - 8.0	80	3.6 - 4.4 - 6.2	119	4.1 - 5.0 - 7.1	3.6 - 4.4 - 6.2
305 x 305	1.02	4.2	3.6	94	-	1.5 - 2.3 - 4.4	24	0.8 - 1.8 - 3.4	35	1.5 - 2.2 - 3.9	0.8 - 1.8 - 3.4
	2.03	16.8	14.3	189	16	3.1 - 4.4 - 6.2	47	2.7 - 3.4 - 4.8	71	3.0 - 3.9 - 5.5	2.7 - 3.4 - 4.8
	3.05	37.9	32.3	283	27	4.4 - 5.4 - 7.6	71	3.4 - 4.1 - 5.8	106	3.9 - 4.7 - 6.7	3.4 - 4.1 - 5.8
	4.06	67.3	57.4	378	34	5.1 - 6.2 - 8.7	94	3.9 - 4.8 - 6.7	142	4.5 - 5.5 - 7.7	3.9 - 4.8 - 6.7
	5.08	105.2	89.6	472	40	5.6 - 6.9 - 9.8	118	4.3 - 5.3 - 7.5	177	5.0 - 6.1 - 8.6	4.3 - 5.3 - 7.5
	5.59	127.2	108.5	519	43	5.9 - 7.3 - 10.3	130	4.5 - 5.6 - 7.9	195	5.2 - 6.4 - 9.1	4.5 - 5.6 - 7.9
	6.10	151.4	129.1	566	45	6.2 - 7.6 - 10.7	142	4.8 - 5.8 - 8.2	212	5.5 - 6.7 - 9.5	4.8 - 5.8 - 8.2
381 x 381	1.02	4.2	3.6	147	-	1.9 - 2.9 - 5.5	37	1.0 - 2.3 - 4.2	55	1.8 - 2.8 - 4.8	1.0 - 2.3 - 4.2
	2.03	16.8	14.3	295	18	3.9 - 5.5 - 7.7	74	3.4 - 4.2 - 5.9	111	3.7 - 4.8 - 6.8	3.4 - 4.2 - 5.9
	3.05	37.9	32.3	442	28	5.5 - 6.7 - 9.5	111	4.2 - 5.1 - 7.3	166	4.8 - 5.9 - 8.4	4.2 - 5.1 - 7.3
	4.06	67.3	57.4	590	36	6.3 - 7.7 - 10.9	147	4.8 - 5.9 - 8.4	221	5.6 - 6.8 - 9.7	4.8 - 5.9 - 8.4
	5.08	105.2	89.6	737	42	7.1 - 8.6 - 12.2	184	5.4 - 6.6 - 9.4	277	6.2 - 7.6 - 10.8	5.4 - 6.6 - 9.4
	5.59	127.2	108.5	811	44	7.4 - 9.1 - 12.8	203	5.7 - 7.0 - 9.8	304	6.5 - 8.0 - 11.3	5.7 - 7.0 - 9.8
	6.10	151.4	129.1	885	46	7.7 - 9.5 - 13.4	221	5.9 - 7.3 - 10.3	332	6.8 - 8.4 - 11.8	5.9 - 7.3 - 10.3
457 x 457	1.02	4.2	3.6	212	-	2.3 - 3.5 - 6.6	53	1.2 - 2.7 - 5.0	80	2.2 - 3.4 - 5.8	1.2 - 2.7 - 5.0
	2.03	16.8	14.3	425	19	4.6 - 6.6 - 9.3	106	4.0 - 5.0 - 7.1	159	4.5 - 5.8 - 8.2	4.0 - 5.0 - 7.1
	3.05	37.9	32.3	637	30	6.6 - 8.0 - 11.4	159	5.0 - 6.2 - 8.7	239	5.8 - 7.1 - 10.0	5.0 - 6.2 - 8.7
	4.06	67.3	57.4	850	37	7.6 - 9.3 - 13.1	212	5.8 - 7.1 - 10.1	319	6.7 - 8.2 - 11.6	5.8 - 7.1 - 10.1
	4.57	85.2	72.6	956	40	8.0 - 9.8 - 13.9	239	6.2 - 7.6 - 10.7	358	7.1 - 8.7 - 12.3	6.2 - 7.6 - 10.7
	5.08	105.2	89.6	1062	43	8.5 - 10.4 - 14.7	265	6.5 - 8.0 - 11.3	398	7.5 - 9.2 - 13.0	6.5 - 8.0 - 11.3
	5.59	127.2	108.5	1168	45	8.9 - 10.9 - 15.4	292	6.8 - 8.4 - 11.8	438	7.9 - 9.6 - 13.6	6.8 - 8.4 - 11.8

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^{-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, ISO Standard 5219, and ISO Standard 3741. The throw values given for D2-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 B1-36 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.

SH, 5SH Performance Data: Horizontal Throw

METRIC DATA: SH, 5SH, ULTRA THROW (NO DAMPER)

						Discharge Air Pattern					
Neck Dim	Neck Vel	Total Pres	Static Pres	Total Flow	NC	D2-Way Throw	3 - Side A		3 - Side B		4-Way Throw
							Flow	Throw	Flow	Throw	
mm	m/s	Pa	Pa	L/s		m	L/s	m	L/s	m	m
533 x 533	1.02	4.2	3.6	289	-	2.7 - 4.0 - 7.7	72	1.4 - 3.2 - 5.9	108	2.5 - 3.9 - 6.8	1.4 - 3.2 - 5.9
	2.03	16.8	14.3	578	20	5.4 - 7.7 - 10.8	145	4.7 - 5.9 - 8.3	217	5.2 - 6.8 - 9.6	4.7 - 5.9 - 8.3
	3.05	37.9	32.3	867	31	7.7 - 9.4 - 13.3	217	5.9 - 7.2 - 10.2	325	6.8 - 8.3 - 11.7	5.9 - 7.2 - 10.2
	4.06	67.3	57.4	1156	38	8.8 - 10.8 - 15.3	289	6.8 - 8.3 - 11.8	434	7.8 - 9.6 - 13.5	6.8 - 8.3 - 11.8
	4.57	85.2	72.6	1301	41	9.4 - 11.5 - 16.2	325	7.2 - 8.8 - 12.5	488	8.3 - 10.1 - 14.4	7.2 - 8.8 - 12.5
	5.08	105.2	89.6	1445	44	9.9 - 12.1 - 17.1	361	7.6 - 9.3 - 13.1	542	8.7 - 10.7 - 15.1	7.6 - 9.3 - 13.1
	5.59	127.2	108.5	1590	46	10.4 - 12.7 - 17.9	397	8.0 - 9.7 - 13.8	596	9.2 - 11.2 - 15.9	8.0 - 9.7 - 13.8
610 x 610	1.02	4.2	3.6	378	-	3.1 - 4.6 - 8.7	94	1.6 - 3.6 - 6.7	142	2.9 - 4.5 - 7.7	1.6 - 3.6 - 6.7
	2.03	16.8	14.3	755	21	6.2 - 8.7 - 12.4	189	5.4 - 6.7 - 9.5	283	6.0 - 7.7 - 10.9	5.4 - 6.7 - 9.5
	3.05	37.9	32.3	1133	31	8.7 - 10.7 - 15.2	283	6.7 - 8.2 - 11.6	425	7.7 - 9.5 - 13.4	6.7 - 8.2 - 11.6
	3.56	51.5	43.9	1321	35	9.4 - 11.6 - 16.4	330	7.3 - 8.9 - 12.6	496	8.4 - 10.2 - 14.5	7.3 - 8.9 - 12.6
	4.06	67.3	57.4	1510	39	10.1 - 12.4 - 17.5	378	7.8 - 9.5 - 13.4	566	8.9 - 10.9 - 15.5	7.8 - 9.5 - 13.4
	4.57	85.2	72.6	1699	42	10.7 - 13.1 - 18.6	425	8.2 - 10.1 - 14.3	637	9.5 - 11.6 - 16.4	8.2 - 10.1 - 14.3
	5.08	105.2	89.6	1888	45	11.3 - 13.8 - 19.6	472	8.7 - 10.6 - 15.0	708	10.0 - 12.2 - 17.3	8.7 - 10.6 - 15.0
762 x 762	1.02	4.2	3.6	590	-	3.9 - 5.8 - 10.9	147	2.0 - 4.5 - 8.4	221	3.6 - 5.6 - 9.7	2.0 - 4.5 - 8.4
	2.03	16.8	14.3	1180	22	7.7 - 10.9 - 15.5	295	6.7 - 8.4 - 11.9	442	7.5 - 9.7 - 13.7	6.7 - 8.4 - 11.9
	3.05	37.9	32.3	1770	33	10.9 - 13.4 - 18.9	442	8.4 - 10.3 - 14.5	664	9.7 - 11.8 - 16.7	8.4 - 10.3 - 14.5
	3.56	51.5	43.9	2065	37	11.8 - 14.5 - 20.5	516	9.1 - 11.1 - 15.7	774	10.4 - 12.8 - 18.1	9.1 - 11.1 - 15.7
	4.06	67.3	57.4	2360	40	12.6 - 15.5 - 21.9	590	9.7 - 11.9 - 16.8	885	11.2 - 13.7 - 19.3	9.7 - 11.9 - 16.8
	4.57	85.2	72.6	2655	44	13.4 - 16.4 - 23.2	664	10.3 - 12.6 - 17.8	996	11.8 - 14.5 - 20.5	10.3 - 12.6 - 17.8
	5.08	105.2	89.6	2950	46	14.1 - 17.3 - 24.4	737	10.8 - 13.3 - 18.8	1106	12.5 - 15.3 - 21.6	10.8 - 13.3 - 18.8
914 x 914	1.02	4.2	3.6	850	-	4.6 - 6.9 - 13.1	212	2.4 - 5.4 - 10.1	319	4.4 - 6.7 - 11.6	2.4 - 5.4 - 10.1
	2.03	16.8	14.3	1699	23	9.2 - 13.1 - 18.6	425	8.1 - 10.1 - 14.3	637	8.9 - 11.6 - 16.4	8.1 - 10.1 - 14.3
	2.54	26.3	22.4	2124	29	11.6 - 14.7 - 20.7	531	9.2 - 11.3 - 15.9	796	10.6 - 13.0 - 18.3	9.2 - 11.3 - 15.9
	3.05	37.9	32.3	2549	34	13.1 - 16.1 - 22.7	637	10.1 - 12.3 - 17.5	956	11.6 - 14.2 - 20.1	10.1 - 12.3 - 17.5
	3.56	51.5	43.9	2973	38	14.2 - 17.4 - 24.5	743	10.9 - 13.3 - 18.9	1115	12.5 - 15.3 - 21.7	10.9 - 13.3 - 18.9
	4.06	67.3	57.4	3398	42	15.2 - 18.6 - 26.2	850	11.6 - 14.3 - 20.2	1274	13.4 - 16.4 - 23.2	11.6 - 14.3 - 20.2
	4.57	85.2	72.6	3823	45	16.1 - 19.7 - 27.8	956	12.3 - 15.1 - 21.4	1434	14.2 - 17.4 - 24.6	12.3 - 15.1 - 21.4
1219 x 1219	1.02	4.2	3.6	1510	-	6.2 - 9.2 - 17.5	378	3.2 - 7.2 - 13.4	566	5.8 - 8.9 - 15.5	3.2 - 7.2 - 13.4
	2.03	16.8	14.3	3020	25	12.3 - 17.5 - 24.7	755	10.8 - 13.4 - 19.0	1133	11.9 - 15.5 - 21.9	10.8 - 13.4 - 19.0
	2.54	26.3	22.4	3776	31	15.4 - 19.6 - 27.7	944	12.3 - 15.0 - 21.2	1416	14.1 - 17.3 - 24.5	12.3 - 15.0 - 21.2
	2.79	31.8	27.1	4153	34	16.7 - 20.5 - 29.0	1038	12.9 - 15.8 - 22.3	1557	14.8 - 18.1 - 25.6	12.9 - 15.8 - 22.3
	3.05	37.9	32.3	4531	36	17.5 - 21.4 - 30.3	1133	13.4 - 16.5 - 23.3	1699	15.5 - 18.9 - 26.8	13.4 - 16.5 - 23.3
	3.56	51.5	43.9	5286	40	18.9 - 23.1 - 32.7	1321	14.5 - 17.8 - 25.1	1982	16.7 - 20.5 - 28.9	14.5 - 17.8 - 25.1
	4.06	67.3	57.4	6041	44	20.2 - 24.7 - 35.0	1510	15.5 - 19.0 - 26.9	2265	17.9 - 21.9 - 30.9	15.5 - 19.0 - 26.9

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, ISO Standard 5219, and ISO Standard 3741. The throw values given for D2-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 B1-36 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.

SH, 5SH Suggested Specification & Configuration

SH, 5SH
The ceiling diffuser shall be Krueger model SH (steel) or 5SH (aluminum) louver face for non-adjustable horizontal discharge airflow. These diffusers shall have a square or rectangular neck of the sizes and frame styles shown on the drawings or job schedule. The square or rectangular neck shall be an integral part of the backpan and a square-to-round adapter will be an available option to accommodate round duct connections. The diffuser shall have an easily removable core with fixed blades in 1, 2, 3, or 4-way configurations.

PERFORMANCE
The manufacturer shall provide published (printed or electronic) performance data for the diffuser. Performance data shall include 2 - 7 octave band sound power levels. The diffuser shall be tested in accordance to the data standards at the time of product introduction or ANSI/ASHRAE Standard 70.

FINISH
The paint finish shall be #44 British White and be an anodic acrylic paint, baked at 315˚ for 30 minutes. The paint thickness shall be 0.8 - 1.0 mils, gloss at 60˚ per ASTM D523-89 of 50 - 85%, pencil hardness per ASTM D3363-92A of HB - H, crosshatch adhesion per ASTM D3359-83 of 4B - 5B, impact per ASTM D2794-93 of direct impact >100 in/lb and reverse impact >80 in/lb, salt spray per ASTM B117-9048 of 96 hours, humidity per ASTM D870-92 of 250 hours.

1. SERIES: (XXX)
SH - Square/Rectangular Neck, Steel Ceiling Diffuser
5SH - Square/Rectangular Neck, Aluminum Ceiling Diffuser

2. PATTERN: (XX)
01 - 1-Way
02 - 2-Way
03 - 3-Way
04 - 4-Way

3. WIDTH: (XX)
6” - 48” in 3” Increments

4. HEIGHT: (XX)
6” - 48” in 3” Increments

5. FRAME: (XXX) *
F21 - Surface Mount, Beveled
F22 - Surface Mount, Flat
F23 - Lay-in T-Bar
F24 - Snap-in T-Bar
F27 - Spline
F98 - 5/16” Step Down

6. PANEL: (XX)x(XX) **
None
12”x12”
24”x24”
24”x48”

7. DAMPER: (XX)
00 - None
02 - Steel Damper (OBDFA)
18 - Aluminum Damper (5OBDFA)

8. ACCESSORIES: (XX) (XX)
00 - None
S - Square Straightening Grid
T - Long Straightening Grid
W - Short Straightening Grid
U - Ultrathrow
M - MRI Construction

9. FINISH: (XX)
01 - Mill
10 - Alumican
35 - Black
44 - British White

* *If Frame 23, 24, 27, or 98 are specified, specify the panel size.*
** *Reference page B1-36 for panel and neck size availability. Specify Panel ‘None’ if Frame 21 or 22 has been selected.*

SAMPLE CONFIGURATION: 5SH - 01 - 36x36 - F22 - NONE - 00 - 00 - 00 - 35