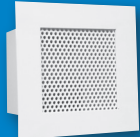


1310, 1310TF & 51310
These perforated face supply grilles feature 5/16" diameter holes on 7/16" staggered centers.



13SD
This perforated face supply grille features 3/16" diameter holes on 9/32" staggered centers.



1320
This lattice face supply grille features 2"x2" square holes and wire mesh between face plate and backer plate.



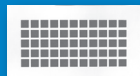
1330
This louvered face supply grille features a wire mesh between the mullion and mesh guard. Blades set horizontally at 40°.



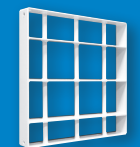
1340
This lattice face with louvered core supply diffuser features 13/16" square holes and 3/16" fret.



51350
This aluminum supply and return grille features 3/16"x3/4" bars on 1/2" centers. Bars are set at 0° deflection.



1380 & 51380
These lattice or perforated face plates feature 13/16" square holes with 3/16" fret or 5/16" diameter holes on 7/16" staggered centers.



1390
This barred duct work features a vertical or horizontal security bar. Round bars are 3/4" diameter. Flat bars are 2 1/2"x1/4".



1390F
This barred duct work with sleeve features vertical and horizontal round security bars. Round bars are 3/4" diameter.

1310, 1310TF, 51310

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13SD

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Security Grille Accessories

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1340

Introduction: 1340

The 1340 series minimum security diffusers feature an SH series diffuser with a 12 gage lattice face. This design gives the proven performance of a louvered face diffuser with the needed security of the lattice face. This diffuser is suited for dormitory rooms or cells with night lock down, prison lobbies, prison offices, prison visiting areas and psychiatric facilities.

MODEL

1340 - Minimum security steel louvered diffuser with 12 gage lattice face.

FEATURES

- 12 Gage steel lattice face has 13/16" square holes with a 3/16" fret.
- 1, 2, 3, or 4-Way discharge air patterns.
- 24"x24" Maximum single unit size.

ACCESSORIES

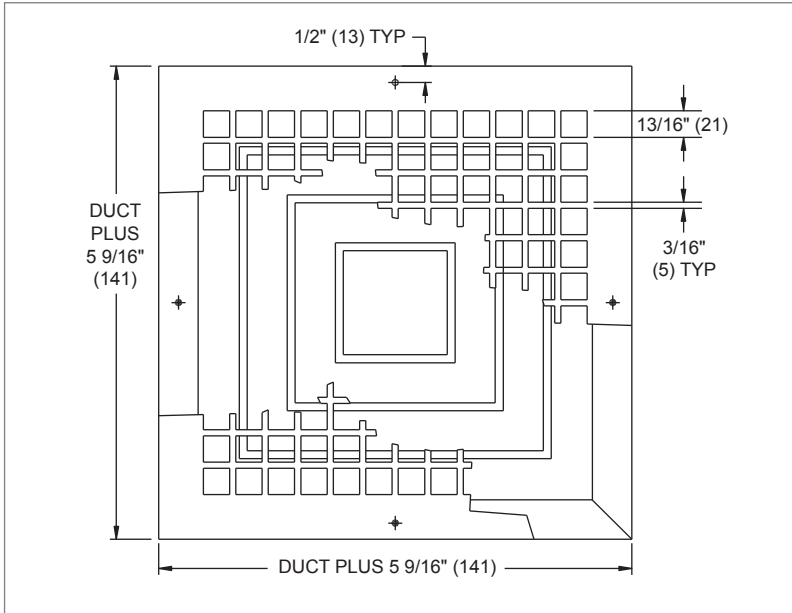
- Duct mounted OBD.

FINISHES

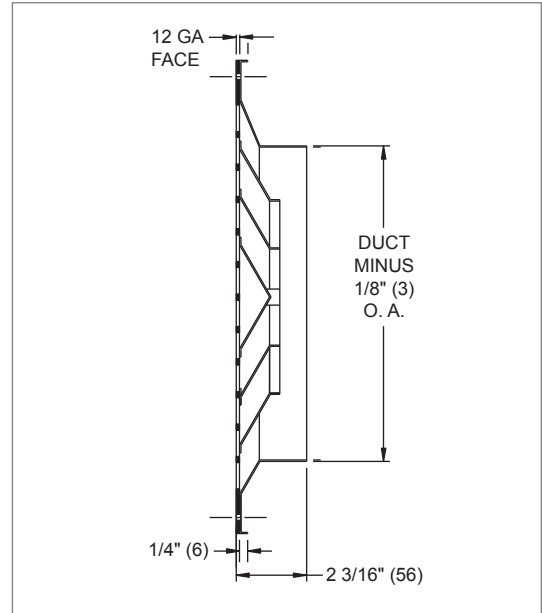
- Standard finish is #44 British White.
- Optional finish is Mill.

1340 Dimensional Information

1340, FACE VIEW



1340, CROSS SECTION



NOTE: Dimensions in parentheses are mm.

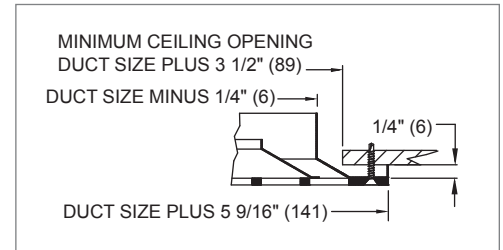
1340 Screw Hole & Installation Details

1340, SCREW HOLE DETAIL PER SIDE

Neck Size	6" (152)	9" to 18" (229 to 457)	21" and 24" (533 and 610)
Number of Holes & Location	1 Hole: Center Line	2 Holes: 3" (76) from Edge	3 Holes: 1 at Center Line 2 at 3" (76) from Edge

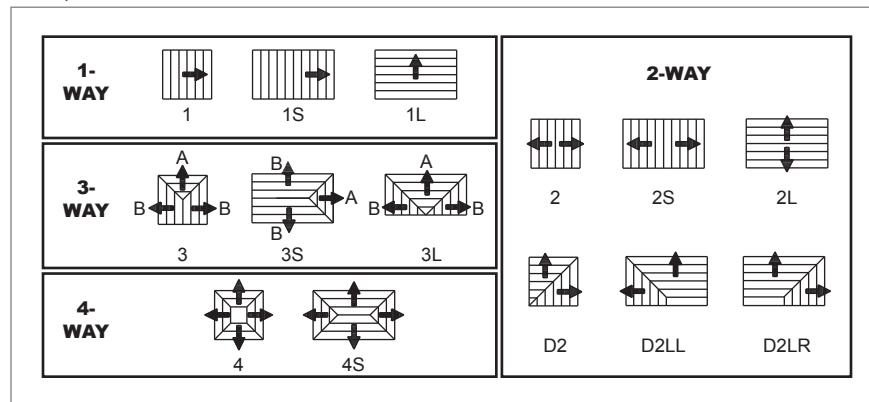
NOTE: Dimensions in parentheses are mm.

1340, INSTALLATION DETAIL



1340 Discharge Air Patterns

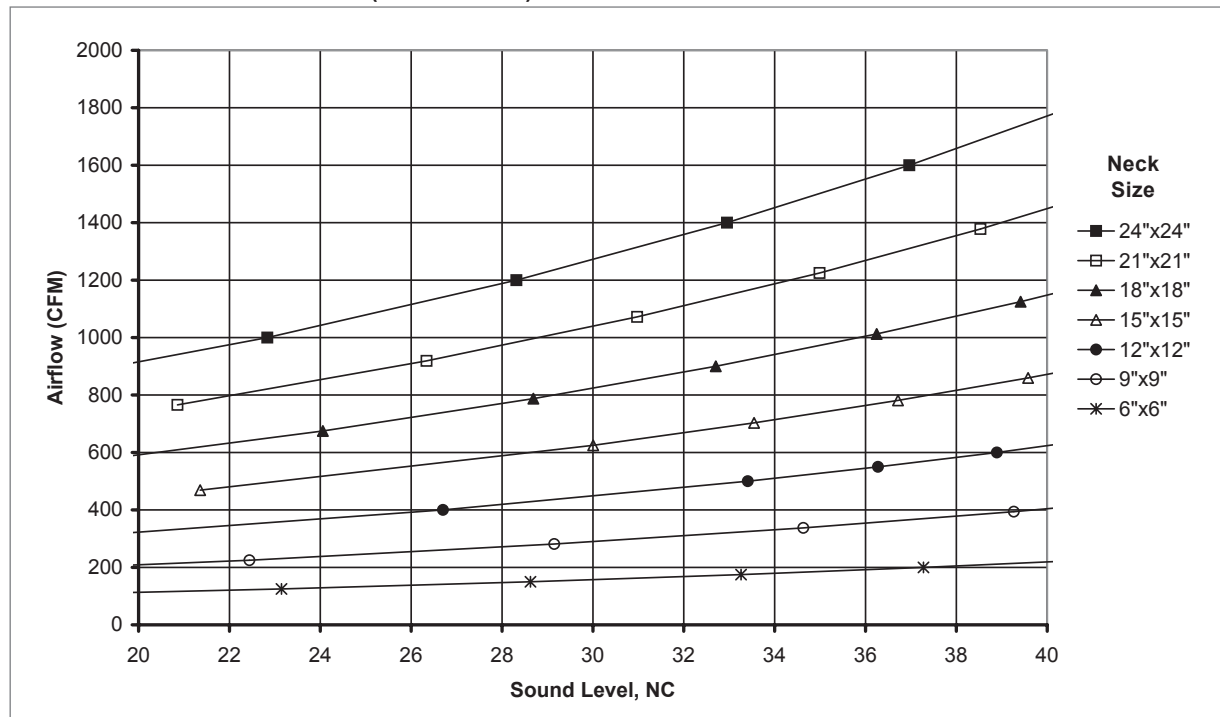
1340, DISCHARGE AIR PATTERNS



NOTE: 'A' and 'B' notations correspond with performance data.

1340 Reference Chart

AIRFLOW VS. NC LEVEL: 1340 (NO DAMPER)



1340 Performance Data: Horizontal Throw

IP DATA: 1340 (NO DAMPER)

SECURITY GRILLES

	Neck Vel	Pt	Air Flow	NC	Throw Direction						
					1-Way Throw	2-Way Throw	3 - Side A		3 - Side B		4-Way Throw
							Flow	Throw	Flow	Throw	
					FPM	"WG	CFM	ft	ft	CFM	ft
6" x 6"	200	0.023	50	-	3 - 4 - 7	1 - 2 - 4	13	1 - 2 - 4	19	1 - 2 - 3	1 - 2 - 4
	400	0.092	100	16	6 - 7 - 11	3 - 4 - 5	25	3 - 4 - 9	38	2 - 3 - 6	3 - 4 - 9
	500	0.144	125	23	7 - 8 - 12	3 - 4 - 6	31	4 - 6 - 10	47	3 - 4 - 8	4 - 6 - 10
	600	0.207	150	29	7 - 9 - 13	4 - 5 - 6	38	4 - 7 - 11	56	3 - 5 - 10	4 - 7 - 11
	700	0.282	175	33	8 - 10 - 14	4 - 5 - 7	44	5 - 8 - 12	66	4 - 6 - 11	5 - 8 - 12
	800	0.368	200	37	9 - 11 - 15	4 - 5 - 7	50	6 - 9 - 13	75	4 - 6 - 13	6 - 9 - 13
900	0.466	225	41	9 - 11 - 16	5 - 6 - 8	56	7 - 10 - 14	84	5 - 7 - 15	7 - 10 - 14	
9" x 9"	200	0.023	113	-	4 - 6 - 11	2 - 3 - 6	28	2 - 3 - 7	42	2 - 4 - 7	2 - 3 - 7
	300	0.052	169	14	6 - 9 - 14	3 - 5 - 7	42	3 - 5 - 10	63	4 - 5 - 11	3 - 5 - 10
	400	0.092	225	22	8 - 11 - 16	4 - 6 - 8	56	4 - 7 - 13	84	5 - 7 - 15	4 - 7 - 13
	500	0.144	281	29	10 - 13 - 18	5 - 6 - 9	70	6 - 8 - 15	105	6 - 9 - 17	6 - 8 - 15
	600	0.207	338	35	11 - 14 - 19	6 - 7 - 10	84	7 - 10 - 17	127	7 - 11 - 19	7 - 10 - 17
	700	0.282	394	39	12 - 15 - 21	6 - 7 - 10	98	8 - 12 - 18	148	9 - 13 - 21	8 - 12 - 18
800	0.368	450	43	13 - 16 - 22	6 - 8 - 11	113	9 - 13 - 19	169	10 - 15 - 22	9 - 13 - 19	
12" x 12"	200	0.023	200	-	6 - 8 - 15	3 - 4 - 7	50	3 - 4 - 9	75	3 - 5 - 10	3 - 4 - 9
	300	0.052	300	18	8 - 12 - 18	4 - 6 - 9	75	4 - 7 - 13	113	5 - 7 - 15	4 - 7 - 13
	400	0.092	400	27	11 - 15 - 21	6 - 7 - 10	100	6 - 9 - 18	150	6 - 10 - 19	6 - 9 - 18
	500	0.144	500	33	14 - 17 - 24	7 - 8 - 12	125	7 - 11 - 20	188	8 - 12 - 23	7 - 11 - 20
	550	0.174	550	36	14 - 18 - 25	7 - 9 - 12	138	8 - 12 - 21	206	9 - 13 - 24	8 - 12 - 21
	600	0.207	600	39	15 - 18 - 26	7 - 9 - 13	150	9 - 13 - 22	225	10 - 15 - 26	9 - 13 - 22
700	0.282	700	44	16 - 20 - 28	8 - 10 - 14	175	10 - 15 - 24	263	11 - 17 - 28	10 - 15 - 24	
15" x 15"	200	0.023	313	-	7 - 10 - 19	3 - 5 - 9	78	3 - 6 - 11	117	4 - 6 - 12	3 - 6 - 11
	300	0.052	469	21	10 - 16 - 23	5 - 8 - 11	117	6 - 8 - 17	176	6 - 9 - 18	6 - 8 - 17
	400	0.092	625	30	14 - 19 - 26	7 - 9 - 13	156	7 - 11 - 22	234	8 - 12 - 24	7 - 11 - 22
	450	0.116	703	34	16 - 20 - 28	8 - 10 - 14	176	8 - 12 - 24	264	9 - 14 - 27	8 - 12 - 24
	500	0.144	781	37	17 - 21 - 30	8 - 10 - 15	195	9 - 14 - 25	293	10 - 15 - 29	9 - 14 - 25
	550	0.174	859	40	18 - 22 - 31	9 - 11 - 15	215	10 - 15 - 27	322	11 - 17 - 31	10 - 15 - 27
600	0.207	938	42	19 - 23 - 32	9 - 11 - 16	234	11 - 17 - 28	352	12 - 18 - 32	11 - 17 - 28	
18" x 18"	250	0.036	563	19	10 - 16 - 25	5 - 8 - 12	141	6 - 8 - 17	211	6 - 9 - 18	6 - 8 - 17
	300	0.052	675	24	12 - 19 - 27	6 - 9 - 14	169	7 - 10 - 20	253	7 - 11 - 22	7 - 10 - 20
	350	0.070	788	29	14 - 21 - 30	7 - 10 - 15	197	8 - 12 - 23	295	9 - 13 - 26	8 - 12 - 23
	400	0.092	900	33	17 - 22 - 32	8 - 11 - 16	225	9 - 13 - 26	338	10 - 15 - 29	9 - 13 - 26
	450	0.116	1013	36	19 - 24 - 34	9 - 12 - 17	253	10 - 15 - 29	380	11 - 16 - 33	10 - 15 - 29
	500	0.144	1125	39	20 - 25 - 35	10 - 12 - 18	281	11 - 17 - 30	422	12 - 18 - 35	11 - 17 - 30
550	0.174	1238	42	21 - 26 - 37	11 - 13 - 18	309	12 - 18 - 32	464	13 - 20 - 37	12 - 18 - 32	
21" x 21"	250	0.036	766	21	12 - 18 - 29	6 - 9 - 15	191	6 - 10 - 19	287	7 - 11 - 21	6 - 10 - 19
	300	0.052	919	26	14 - 22 - 32	7 - 11 - 16	230	8 - 12 - 23	345	9 - 13 - 26	8 - 12 - 23
	350	0.070	1072	31	17 - 24 - 35	8 - 12 - 17	268	9 - 13 - 27	402	10 - 15 - 30	9 - 13 - 27
	400	0.092	1225	35	19 - 26 - 37	10 - 13 - 18	306	10 - 15 - 31	459	11 - 17 - 34	10 - 15 - 31
	450	0.116	1378	39	22 - 28 - 39	11 - 14 - 19	345	12 - 17 - 34	517	13 - 19 - 38	12 - 17 - 34
	500	0.144	1531	42	24 - 29 - 41	12 - 15 - 21	383	13 - 19 - 35	574	14 - 21 - 41	13 - 19 - 35
550	0.174	1684	45	25 - 31 - 43	12 - 15 - 22	421	14 - 21 - 37	632	16 - 23 - 43	14 - 21 - 37	
24" x 24"	200	0.023	800	16	11 - 17 - 30	6 - 8 - 15	200	5 - 9 - 18	300	6 - 10 - 19	5 - 9 - 18
	250	0.036	1000	23	14 - 21 - 33	7 - 10 - 17	250	7 - 11 - 22	375	8 - 12 - 24	7 - 11 - 22
	300	0.052	1200	28	17 - 25 - 37	8 - 12 - 18	300	9 - 13 - 26	450	10 - 15 - 29	9 - 13 - 26
	350	0.070	1400	33	19 - 28 - 39	10 - 14 - 20	350	10 - 15 - 31	525	11 - 17 - 34	10 - 15 - 31
	400	0.092	1600	37	22 - 30 - 42	11 - 15 - 21	400	12 - 18 - 35	600	13 - 19 - 39	12 - 18 - 35
	450	0.116	1800	41	25 - 32 - 45	12 - 16 - 22	450	13 - 20 - 38	675	15 - 22 - 44	13 - 20 - 38
500	0.144	2000	44	27 - 33 - 47	14 - 17 - 23	500	15 - 22 - 40	750	16 - 24 - 47	15 - 22 - 40	

NOTES: Throw values are given for isothermal conditions and terminal velocities of 150, 100, and 50 FPM (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. 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 L1-41 for 'Side A' and 'Side B' detail. Data was obtained from tests conducted in accordance with ANSI/ASHRAE Standard 70, ISO Standard 5219, and ISO Standard 3741. See Krueger's selection program for performance data not shown, including octave band data.

1
3
4
0

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1340 Performance Data: Horizontal Throw

METRIC DATA: 1340 (NO DAMPER)

Neck Dim mm	Neck Vel m/s	Total Pres Pa	Static Pres Pa	Total Flow L/s	NC	Throw Direction						
						1-Way Throw m	2-Way Throw m	3 - Side A		3 - Side B		4-Way Throw m
								Flow L/s	Throw m	Flow L/s	Throw m	
152 x 152	1.02	5.7	5.1	24	-	0.8 - 1.3 - 2.3	0.4 - 0.6 - 1.1	6	0.4 - 0.7 - 1.3	9	0.2 - 0.5 - 1.0	0.4 - 0.7 - 1.3
	2.03	22.9	20.4	47	16	1.7 - 2.3 - 3.2	0.8 - 1.1 - 1.6	12	0.9 - 1.3 - 2.7	18	0.7 - 1.0 - 2.0	0.9 - 1.3 - 2.7
	2.54	35.8	31.9	59	23	2.1 - 2.5 - 3.6	1.0 - 1.3 - 1.8	15	1.1 - 1.7 - 3.1	22	0.8 - 1.2 - 2.5	1.1 - 1.7 - 3.1
	3.05	51.5	45.9	71	29	2.3 - 2.8 - 3.9	1.1 - 1.4 - 2.0	18	1.3 - 2.0 - 3.4	27	1.0 - 1.5 - 3.0	1.3 - 2.0 - 3.4
	3.56	70.1	62.5	83	33	2.5 - 3.0 - 4.2	1.2 - 1.5 - 2.1	21	1.6 - 2.3 - 3.6	31	1.1 - 1.7 - 3.4	1.6 - 2.3 - 3.6
	4.06	91.6	81.7	94	37	2.6 - 3.2 - 4.5	1.3 - 1.6 - 2.3	24	1.8 - 2.7 - 3.9	35	1.3 - 2.0 - 3.9	1.8 - 2.7 - 3.9
4.57	115.9	103.4	106	41	2.8 - 3.4 - 4.8	1.4 - 1.7 - 2.4	27	2.0 - 2.9 - 4.1	40	1.5 - 2.2 - 4.4	2.0 - 2.9 - 4.1	
229 x 229	1.02	5.7	5.1	53	-	1.3 - 1.9 - 3.4	0.6 - 0.9 - 1.7	13	0.6 - 1.0 - 2.0	20	0.7 - 1.1 - 2.2	0.6 - 1.0 - 2.0
	1.52	12.9	11.5	80	14	1.9 - 2.8 - 4.2	0.9 - 1.4 - 2.1	20	1.0 - 1.5 - 3.0	30	1.1 - 1.7 - 3.3	1.0 - 1.5 - 3.0
	2.03	22.9	20.4	106	22	2.5 - 3.4 - 4.8	1.3 - 1.7 - 2.4	27	1.3 - 2.0 - 4.0	40	1.5 - 2.2 - 4.4	1.3 - 2.0 - 4.0
	2.54	35.8	31.9	133	29	3.1 - 3.8 - 5.4	1.5 - 1.9 - 2.7	33	1.7 - 2.5 - 4.6	50	1.8 - 2.8 - 5.3	1.7 - 2.5 - 4.6
	3.05	51.5	45.9	159	35	3.4 - 4.2 - 5.9	1.7 - 2.1 - 2.9	40	2.0 - 3.0 - 5.1	60	2.2 - 3.3 - 5.8	2.0 - 3.0 - 5.1
	3.56	70.1	62.5	186	39	3.7 - 4.5 - 6.4	1.8 - 2.2 - 3.2	46	2.3 - 3.5 - 5.5	70	2.6 - 3.9 - 6.3	2.3 - 3.5 - 5.5
4.06	91.6	81.7	212	43	3.9 - 4.8 - 6.8	2.0 - 2.4 - 3.4	53	2.7 - 4.0 - 5.8	80	3.0 - 4.4 - 6.7	2.7 - 4.0 - 5.8	
305 x 305	1.02	5.7	5.1	94	-	1.7 - 2.5 - 4.5	0.8 - 1.3 - 2.3	24	0.8 - 1.3 - 2.7	35	1.0 - 1.5 - 3.0	0.8 - 1.3 - 2.7
	1.52	12.9	11.5	142	18	2.5 - 3.8 - 5.6	1.3 - 1.9 - 2.8	35	1.3 - 2.0 - 4.0	53	1.5 - 2.2 - 4.4	1.3 - 2.0 - 4.0
	2.03	22.9	20.4	189	27	3.4 - 4.5 - 6.4	1.7 - 2.3 - 3.2	47	1.8 - 2.7 - 5.4	71	2.0 - 3.0 - 5.9	1.8 - 2.7 - 5.4
	2.54	35.8	31.9	236	33	4.1 - 5.1 - 7.2	2.1 - 2.5 - 3.6	59	2.2 - 3.3 - 6.2	88	2.5 - 3.7 - 7.1	2.2 - 3.3 - 6.2
	2.79	43.3	38.6	260	36	4.3 - 5.3 - 7.5	2.2 - 2.6 - 3.7	65	2.5 - 3.7 - 6.5	97	2.7 - 4.1 - 7.4	2.5 - 3.7 - 6.5
	3.05	51.5	45.9	283	39	4.5 - 5.6 - 7.9	2.3 - 2.8 - 3.9	71	2.7 - 4.0 - 6.7	106	3.0 - 4.4 - 7.8	2.7 - 4.0 - 6.7
3.56	70.1	62.5	330	44	4.9 - 6.0 - 8.5	2.4 - 3.0 - 4.2	83	3.1 - 4.7 - 7.3	124	3.4 - 5.2 - 8.4	3.1 - 4.7 - 7.3	
381 x 381	1.02	5.7	5.1	147	-	2.1 - 3.1 - 5.7	1.1 - 1.6 - 2.8	37	1.0 - 1.7 - 3.3	55	1.2 - 1.8 - 3.7	1.0 - 1.7 - 3.3
	1.52	12.9	11.5	221	21	3.1 - 4.7 - 6.9	1.6 - 2.4 - 3.5	55	1.7 - 2.5 - 5.0	83	1.8 - 2.8 - 5.5	1.7 - 2.5 - 5.0
	2.03	22.9	20.4	295	30	4.2 - 5.7 - 8.0	2.1 - 2.8 - 4.0	74	2.2 - 3.3 - 6.7	111	2.5 - 3.7 - 7.4	2.2 - 3.3 - 6.7
	2.29	29.0	25.8	332	34	4.7 - 6.0 - 8.5	2.4 - 3.0 - 4.2	83	2.5 - 3.8 - 7.3	124	2.8 - 4.2 - 8.3	2.5 - 3.8 - 7.3
	2.54	35.8	31.9	369	37	5.2 - 6.3 - 9.0	2.6 - 3.2 - 4.5	92	2.8 - 4.2 - 7.7	138	3.1 - 4.6 - 8.9	2.8 - 4.2 - 7.7
	2.79	43.3	38.6	406	40	5.4 - 6.7 - 9.4	2.7 - 3.3 - 4.7	101	3.1 - 4.6 - 8.1	152	3.4 - 5.1 - 9.3	3.1 - 4.6 - 8.1
3.05	51.5	45.9	442	42	5.7 - 6.9 - 9.8	2.8 - 3.5 - 4.9	111	3.3 - 5.0 - 8.4	166	3.7 - 5.5 - 9.7	3.3 - 5.0 - 8.4	
457 x 457	1.27	8.9	8.0	265	19	3.1 - 4.7 - 7.6	1.6 - 2.4 - 3.8	66	1.7 - 2.5 - 5.0	100	1.8 - 2.8 - 5.5	1.7 - 2.5 - 5.0
	1.52	12.9	11.5	319	24	3.8 - 5.7 - 8.3	1.9 - 2.8 - 4.1	80	2.0 - 3.0 - 6.0	119	2.2 - 3.3 - 6.7	2.0 - 3.0 - 6.0
	1.78	17.5	15.6	372	29	4.4 - 6.4 - 9.0	2.2 - 3.2 - 4.5	93	2.3 - 3.5 - 7.0	139	2.6 - 3.9 - 7.8	2.3 - 3.5 - 7.0
	2.03	22.9	20.4	425	33	5.0 - 6.8 - 9.6	2.5 - 3.4 - 4.8	106	2.7 - 4.0 - 8.0	159	3.0 - 4.4 - 8.9	2.7 - 4.0 - 8.0
	2.29	29.0	25.8	478	36	5.7 - 7.2 - 10.2	2.8 - 3.6 - 5.1	119	3.0 - 4.5 - 8.8	179	3.3 - 5.0 - 10.0	3.0 - 4.5 - 8.8
	2.54	35.8	31.9	531	39	6.2 - 7.6 - 10.8	3.1 - 3.8 - 5.3	133	3.3 - 5.0 - 9.2	199	3.7 - 5.5 - 10.6	3.3 - 5.0 - 9.2
2.79	43.3	38.6	584	42	6.5 - 8.0 - 11.3	3.2 - 4.0 - 5.6	146	3.7 - 5.5 - 9.7	219	4.1 - 6.1 - 11.1	3.7 - 5.5 - 9.7	
533 x 533	1.27	8.9	8.0	361	21	3.7 - 5.5 - 8.9	1.8 - 2.8 - 4.4	90	2.0 - 2.9 - 5.9	136	2.2 - 3.2 - 6.5	2.0 - 2.9 - 5.9
	1.52	12.9	11.5	434	26	4.4 - 6.6 - 9.7	2.2 - 3.3 - 4.8	108	2.3 - 3.5 - 7.0	163	2.6 - 3.9 - 7.8	2.3 - 3.5 - 7.0
	1.78	17.5	15.6	506	31	5.1 - 7.4 - 10.5	2.6 - 3.7 - 5.2	126	2.7 - 4.1 - 8.2	190	3.0 - 4.5 - 9.1	2.7 - 4.1 - 8.2
	2.03	22.9	20.4	578	35	5.9 - 7.9 - 11.2	3.0 - 3.9 - 5.6	145	3.1 - 4.7 - 9.4	217	3.4 - 5.2 - 10.3	3.1 - 4.7 - 9.4
	2.29	29.0	25.8	650	39	6.6 - 8.4 - 11.9	3.3 - 4.2 - 5.9	163	3.5 - 5.3 - 10.2	244	3.9 - 5.8 - 11.6	3.5 - 5.3 - 10.2
	2.54	35.8	31.9	723	42	7.2 - 8.9 - 12.6	3.6 - 4.4 - 6.2	181	3.9 - 5.9 - 10.8	271	4.3 - 6.5 - 12.4	3.9 - 5.9 - 10.8
2.79	43.3	38.6	795	45	7.6 - 9.3 - 13.2	3.8 - 4.6 - 6.5	199	4.3 - 6.4 - 11.3	298	4.7 - 7.1 - 13.0	4.3 - 6.4 - 11.3	
610 x 610	1.02	5.7	5.1	378	16	3.4 - 5.0 - 9.1	1.7 - 2.5 - 4.5	94	1.6 - 2.7 - 5.4	142	2.0 - 3.0 - 5.9	1.6 - 2.7 - 5.4
	1.27	8.9	8.0	472	23	4.2 - 6.3 - 10.1	2.1 - 3.2 - 5.0	118	2.2 - 3.3 - 6.7	177	2.5 - 3.7 - 7.4	2.2 - 3.3 - 6.7
	1.52	12.9	11.5	566	28	5.0 - 7.6 - 11.1	2.5 - 3.8 - 5.5	142	2.7 - 4.0 - 8.0	212	3.0 - 4.4 - 8.9	2.7 - 4.0 - 8.0
	1.78	17.5	15.6	661	33	5.9 - 8.5 - 12.0	3.0 - 4.2 - 6.0	165	3.1 - 4.7 - 9.4	248	3.4 - 5.2 - 10.3	3.1 - 4.7 - 9.4
	2.03	22.9	20.4	755	37	6.7 - 9.1 - 12.8	3.4 - 4.5 - 6.4	189	3.6 - 5.4 - 10.7	283	3.9 - 5.9 - 11.8	3.6 - 5.4 - 10.7
	2.29	29.0	25.8	850	41	7.6 - 9.6 - 13.6	3.8 - 4.8 - 6.8	212	4.0 - 6.0 - 11.7	319	4.4 - 6.7 - 13.3	4.0 - 6.0 - 11.7
2.54	35.8	31.9	944	44	8.3 - 10.1 - 14.3	4.1 - 5.0 - 7.1	236	4.5 - 6.7 - 12.3	354	4.9 - 7.4 - 14.2	4.5 - 6.7 - 12.3	

SECURITY GRILLES

NOTES: Throw values are given for isothermal conditions and terminal velocities of 150, 100, and 50 FPM (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. 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 L1-41 for 'Side A' and 'Side B' detail. Data was obtained from tests conducted in accordance with ANSI/ASHRAE Standard 70, ISO Standard 5219, and ISO Standard 3741. See Krueger's selection program for performance data not shown, including octave band data.

1340 Suggested Specification & Configuration**1340**

The minimum security diffuser shall be a Krueger model 1340 providing a fixed horizontal discharge air pattern. These diffusers shall have a square or rectangular neck. 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 louvers in 1, 2, 3, or 4-way configurations. The face of the 1340 shall be covered with a 12 gage steel plate with 13/16" square holes with 3/16" frets and have screw holes in the face for surface mounting. Tamper-proof screws are to be provided by others according to structural requirements.

Optional heavy gage steel opposed blade damper available.

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°F 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 D2247-92 of >500 hours and water soak per ASTM D870-92 of 250 hours.

- 1. SERIES: (XXXX)**
1340 - Lattice Face Plate, Steel Security Diffuser
- 2. PATTERN: (XX)**
 - 1 - 1-Way
 - 2 - 2-Way
 - D2 - 2-Way Diagonal
 - 3 - 3-Way
 - 4 - 4-Way
- 3. WIDTH: (XX)**
6" - 24" in 3" Increments
- 4. HEIGHT: (XX)**
6" - 24" in 3" Increments
- 5. DAMPER: (XX)**
 - 00 - No Damper
 - 02 - Duct Mounted OBD
- 6. FINISH: (XX)**
 - 01 - Mill
 - 44 - British White

* Security screws supplied by others.

SECURITY GRILLES

1
3
4
0

SAMPLE CONFIGURATION: 1340 - 2 - 18x18 - 00 - 44