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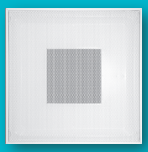
KRUEGER
Excellence in Air Distribution

6100, 6150
56100, 56150
These perforated supply ceiling diffusers feature a neck mounted rotatable core with either a round or square neck. Aluminum or steel perforated face is available.



6490, 56490
These perforated ceiling returns feature a square neck. Aluminum or steel perforated face is available.

6200, 56200
6200FR, 6290F
These perforated supply, ceiling diffusers feature neck mounted curved blades with a square neck. Aluminum or steel perforated face is available. Fire rated or filter return variations available.

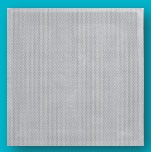
6600, 56600, 6600FR
These perforated supply ceiling diffusers feature face mounted deflectors with a round neck. Aluminum or steel perforated face is available. A fire rated variation is also available.

6500, 56500
6500FR, 6590FR
These perforated supply, ceiling diffusers feature neck mounted curved blades with a round neck. Aluminum or steel perforated face is available. Fire rated supply and return variations available.

6690, 56690
These perforated ceiling returns feature a round neck. Aluminum or steel perforated face is available.

6300
This perforated supply, ceiling diffuser features face mounted deflectors and a prescored fiberglass backpan for field cutting. Available in steel construction only.

6790, 56790
These aluminum or steel perforated screen ceiling panels with no backpan are great for non-ducted return or exhaust applications.

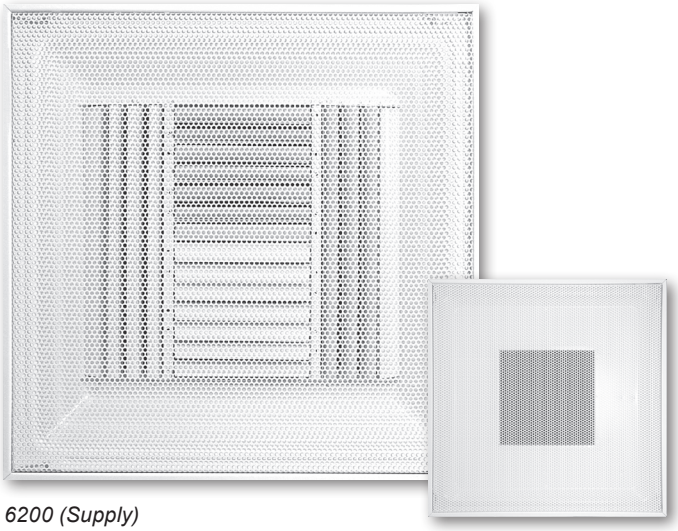


6390
This perforated return features a prescored fiberglass backpan for field cutting. Available in steel construction only.

1100, 51100
These architectural, perforated, supply ceiling diffusers feature neck mounted curved blades with a square or rectangular neck. Available in steel or aluminum construction. A metric version is also available.

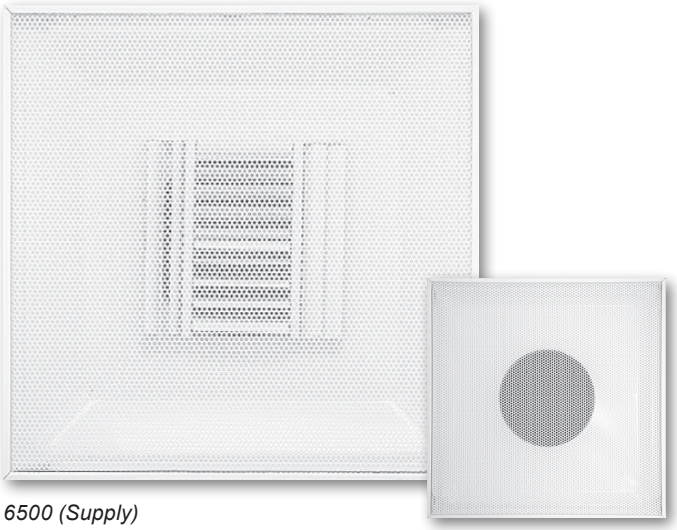
6400, 56400, 6400FR
These perforated supply ceiling diffusers feature face mounted deflectors with a square neck. Aluminum or steel perforated face as well as a fire rated variations are available.

1190, 51190
These architectural, perforated, ceiling returns feature a square or rectangular neck. Available in steel or aluminum construction.



6200 (Supply)

6490 (Return)
See page C1-52 for more information.



6500 (Supply)

6690 (Return)
See page C1-52 for more information.

Introduction: 6200, 6500 Series

The 6200/6500 series perforated diffusers use blade-type pattern deflectors mounted on the backpan and are available in pre-selected 1, 2, 3, or 4-way blow patterns. Individually adjustable curved blades allow field adjustment of the air pattern in each direction, which may be field set to any position between a vertical throw and a tight ceiling, long throw pattern. The pattern deflectors on the backpan create aspiration of secondary air through the perforated face where it is mixed with primary air that is then discharged through the perforated face. This aspiration and mixing effect reduces the discharge air temperature to avoid cold air drafts. Additionally, it removes smudging material from the secondary air by impingement on the perforated face. Ceiling smudging of adjacent, hard to clean ceiling surfaces is greatly reduced. The 6200/6500 series diffusers exhibit typical isothermal throws of 8' to 20' for 4-way air distribution and 21' to 50' for 1-way air distribution making this diffuser an excellent choice for irregular room shapes. Matching returns are the 6490 and 6690 series.

MODELS

6200 - Steel Construction, Square Neck, Supply Diffuser
6200FR - Fire Rated, Steel Construction, Square Neck, Supply Diffuser
6290F - Steel Construction, Designed for Standard 20"x20"x1" Filter (By Others), Square Neck, Filter Return
6290FR - Fire Rated, Steel Construction, Square Neck Return
56200 - Aluminum Perforation with Steel Backpan, Square Neck, Supply Diffuser
6500 - Steel Construction, Round Neck, Supply Diffuser
6500FR - Fire Rated, Steel Construction, Round Neck, Supply Diffuser
56500 - Aluminum Perforation with Steel Backpan, Round Neck, Supply Diffuser
6590FR - Fire Rated, Steel Construction, Round Neck Return

FEATURES

- Individually adjustable curved blade pattern deflectors for horizontal to vertical throw.
- Variety of air discharge patterns available.
- Removable perforated face and core for easy cleaning.

PANEL SIZES

- 12"x12"
- 20"x20"
- 24"x24"
- 16"x16"
- 12"x24"
- 24"x48"

ACCESSORIES

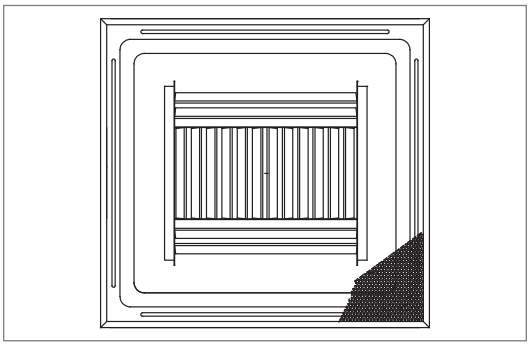
- Optional Round Damper
- Optional Opposed Blade Damper (Model OBD)
- Optional Straightening Grid
- Optional Insulated Backpan

FINISHES

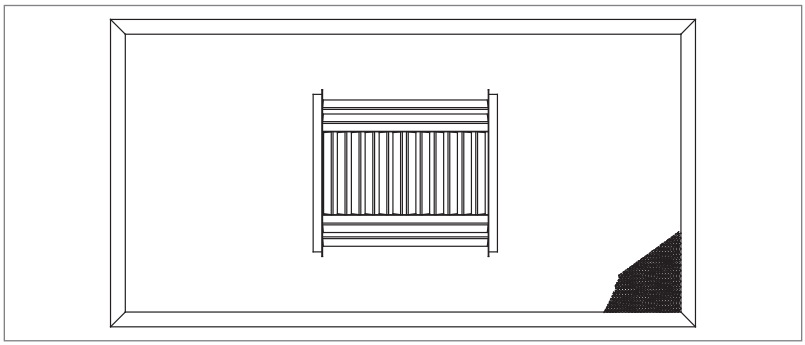
- Standard finish is #44 British White.
- Optional finishes available.

6200, 56200 (Supply) Dimensional Information

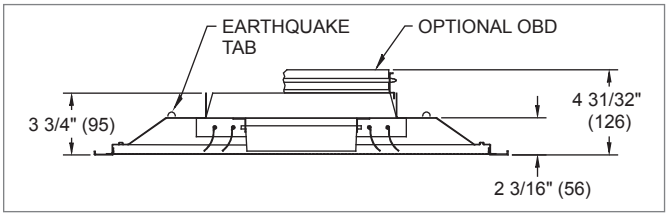
6200, 56200, FACE VIEW (24"x24" PANEL)



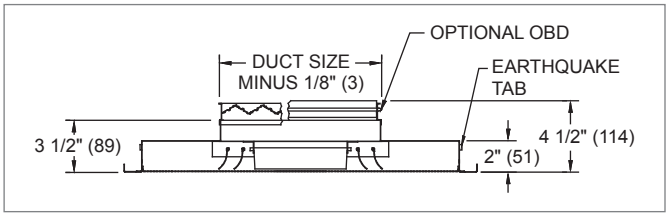
6200, 56200, FACE VIEW (ALL OTHER PANELS)



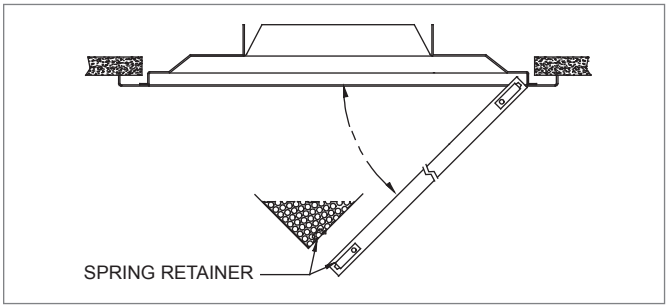
6200, 56200, CROSS SECTION (24"x24" PANEL)



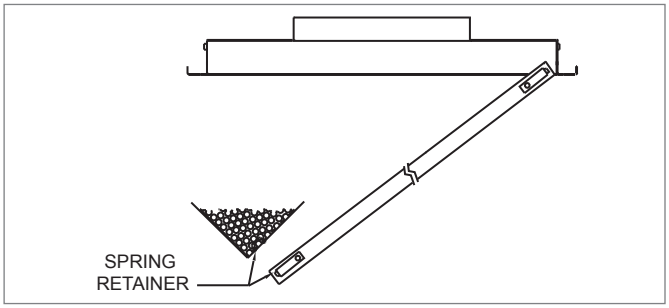
6200, 56200, CROSS SECTION (ALL OTHER PANELS)



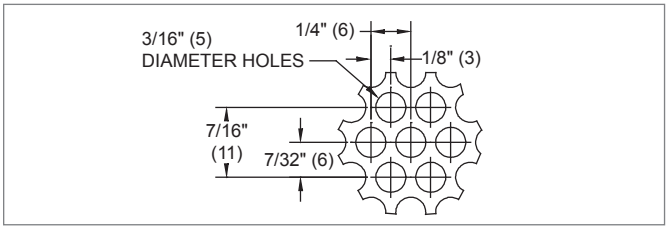
6200, 56200, HINGE DETAIL (24"x24" PANEL)



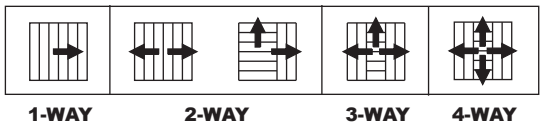
6200, 56200, HINGE DETAIL (ALL OTHER PANELS)



6200, 56200, PERFORATION DETAIL



6200, 56200, DISCHARGE AIR PATTERNS



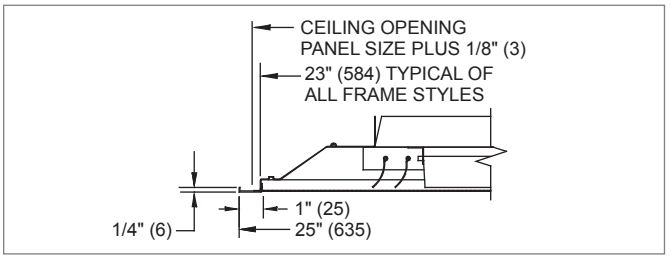
6200, 56200, AVAILABLE SIZES

Neck Size	Panel Size: 12" x 12" (305 x 305)	16" x 16" (406 x 406)	20" x 20" (508 x 508)	24" x 24" (610 x 610)	12" x 24" (305 x 610)	24" x 48" (610 x 1219)
6" x 6" (152 x 152)	•	•	•	•	•	•
8" x 8" (203 x 203)		•	•	•		•
10" x 10" (254 x 254)		•	•	•		•
12" x 12" (305 x 305)			•	•		•
14" x 14" (356 x 356)				•		•
16" x 16" (406 x 406)				•		•
18" x 18" (457 x 457)				•		•

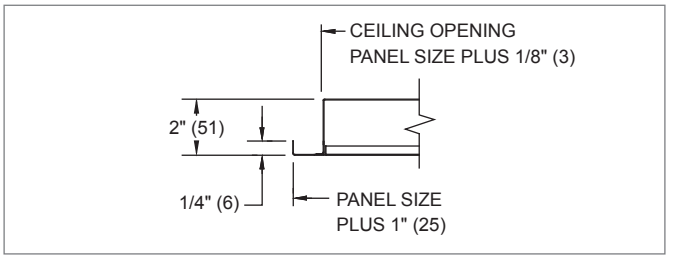
NOTES: Dimensions in parentheses are mm. Dot indicates applicable.
The 16"x16" and 18"x18" neck sizes with a 24"x24" panel are constructed like "All Other Panels".

6200, 56200 (Supply) Frame Styles

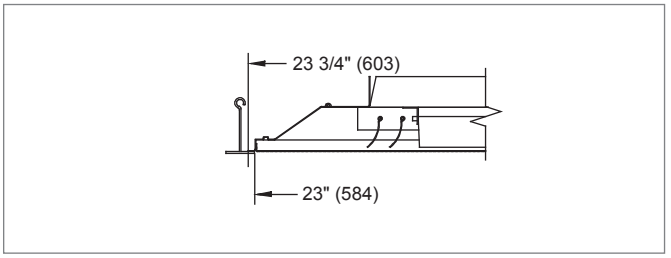
6200, 56200, FRAME 20, SURFACE MOUNT (24"x24" PANEL)



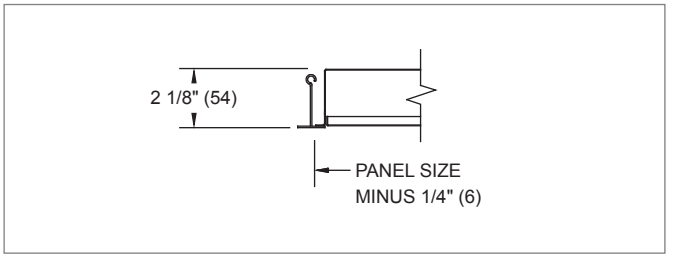
6200, 56200, FRAME 20, SURFACE MOUNT (ALL OTHER PANELS)



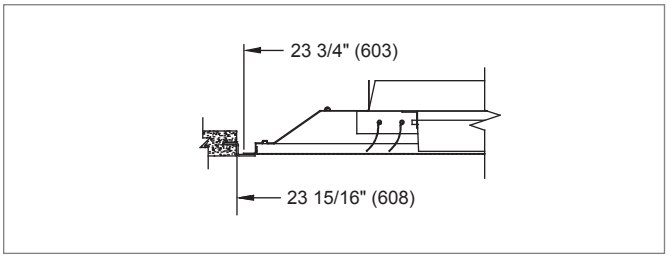
6200, 56200, FRAME 23, LAY-IN T-BAR (24"x24" PANEL)



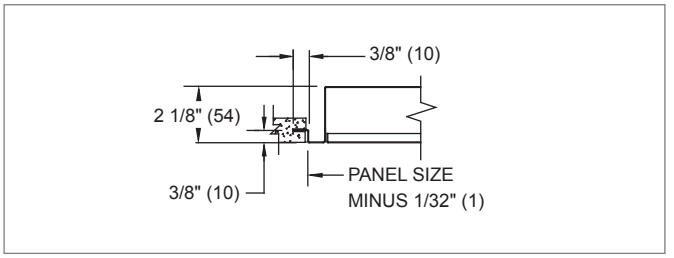
6200, 56200, FRAME 23, LAY-IN T-BAR (ALL OTHER PANELS)



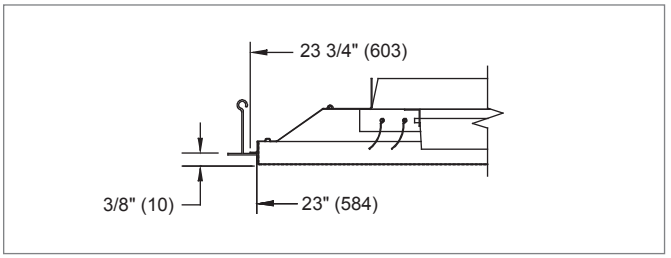
6200, 56200, FRAME 27, SPLINE (24"x24" PANEL)



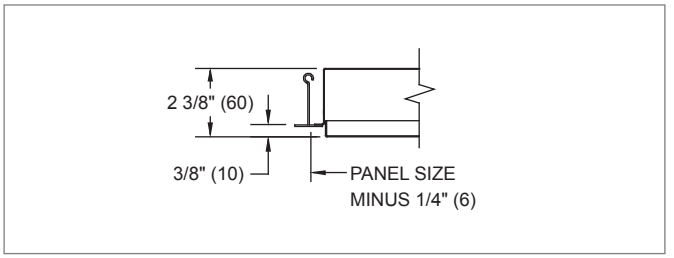
6200, 56200, FRAME 27, SPLINE (ALL OTHER PANELS)



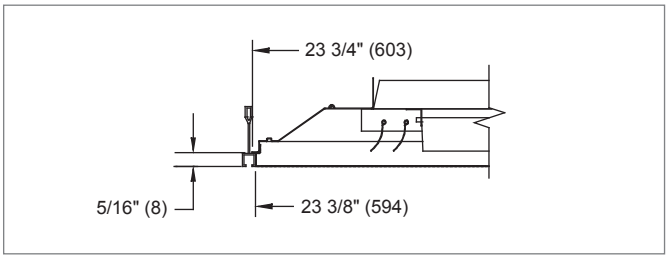
6200, 56200, FRAME 30, DROP FACE (24"x24" PANEL)



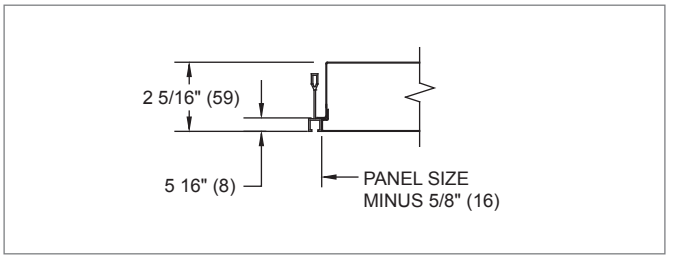
6200, 56200, FRAME 30, DROP FACE (ALL OTHER PANELS)



6200, 56200, FRAME 98, NARROW-T (24"x24" PANEL)



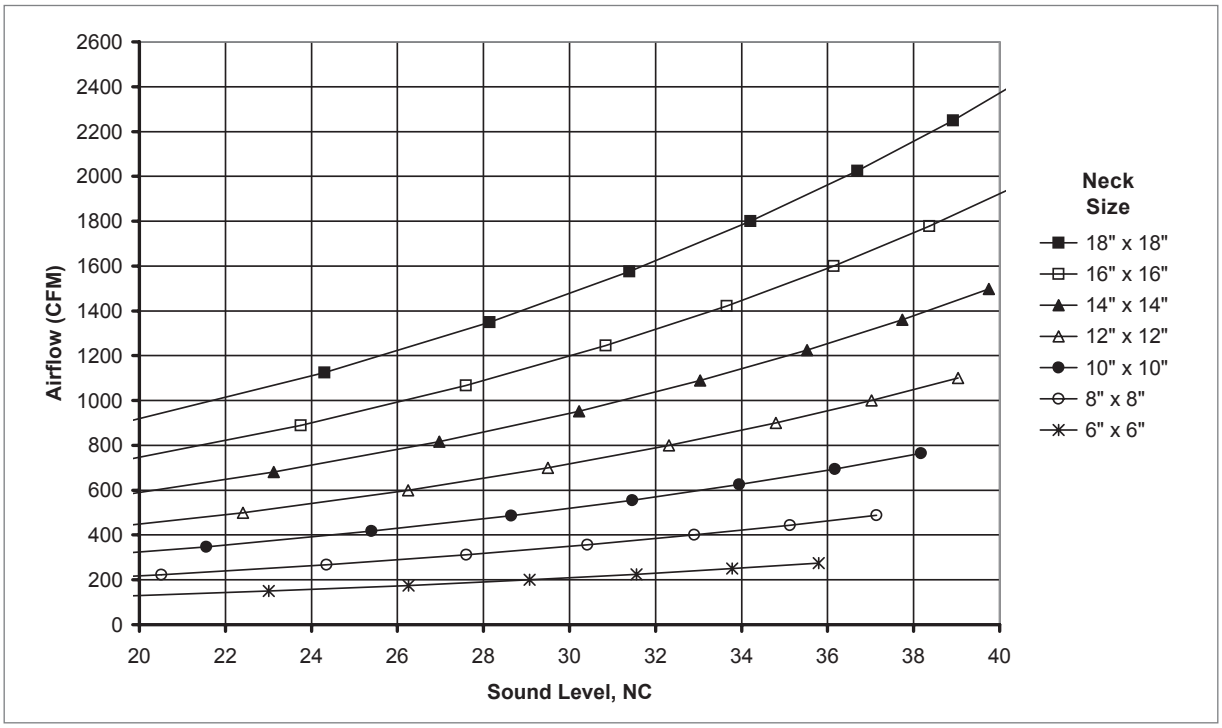
6200, 56200, FRAME 98, NARROW-T (ALL OTHER PANELS)



NOTES: Dimensions in parentheses are mm. The 16"x16" and 18"x18" neck sizes with a 24"x24" panel are constructed like "All Other Panels".

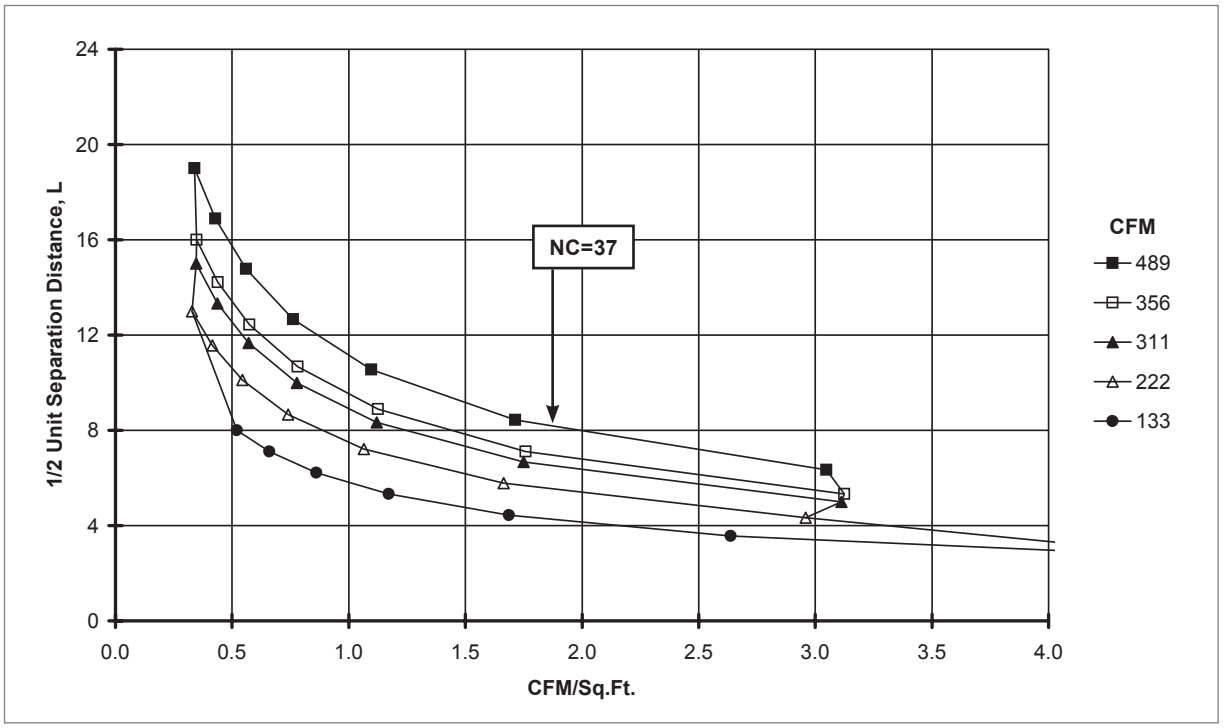
6200, 56200 (Supply) Reference Charts

AIRFLOW VS. NC LEVEL: 6200, 56200, 24"x24" PANEL (NO DAMPER)

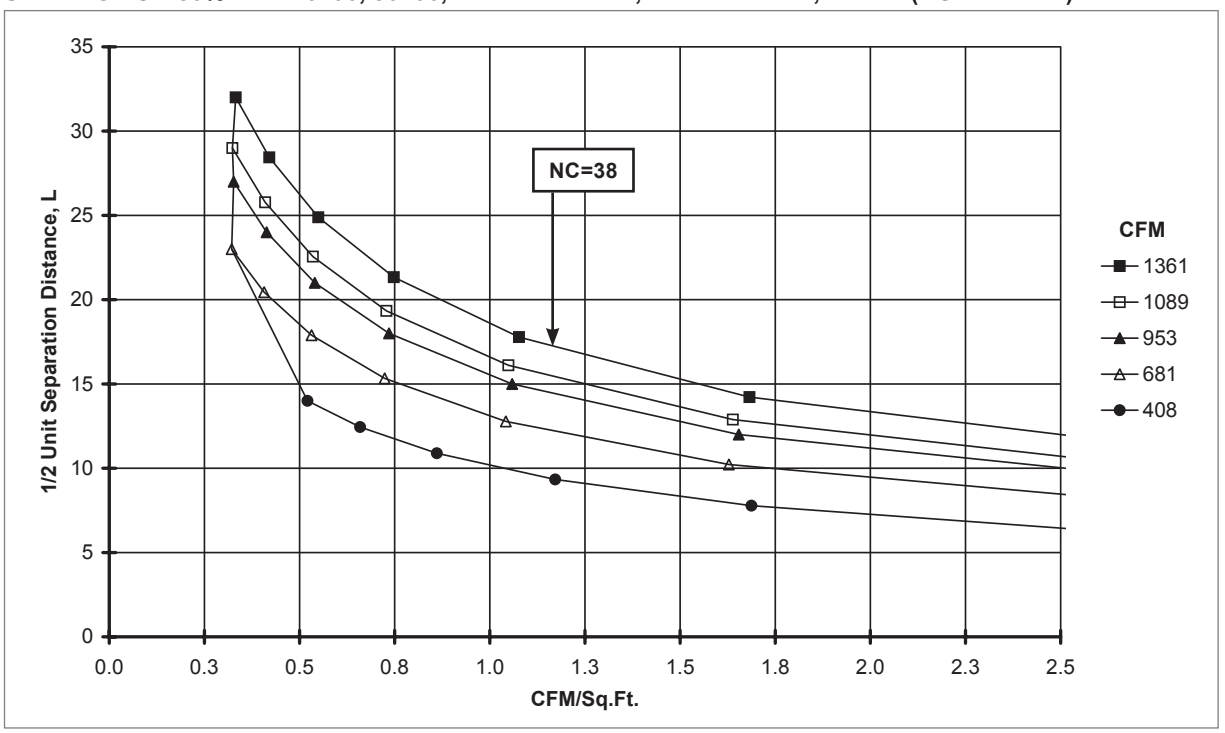


6200, 56200 (Supply) Reference Charts

SPACING FOR 80% ADPI: 6200, 56200, 24”x24” PANEL, 8”x8” NECK, 4-WAY (NO DAMPER)



SPACING FOR 80% ADPI: 6200, 56200, 24”x24” PANEL, 14”x14” 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.

6200, 56200 (Supply) Performance Data: Horizontal Throw

IP/METRIC DATA: 6200, 56200, 12"x12" PANEL, 4-WAY (NO DAMPER)

	IP Data						Metric Data											
	Neck Vel	Air Flow	Ps	Pt	4-Way Throw	NC	Neck Vel	Air Flow	Ps	Pt	4-Way Throw	Octave Band, dB					
	FPM	CFM	"WG	"WG	ft		m/s	L/s	Pa	Pa	m	2	3	4	5	6	7
6" x 6"	300	75	0.011	0.016	2 - 3 - 6	-	1.52	35	2.7	4.1	0.5 - 1.0 - 1.9	24	17	19	-	-	-
	400	100	0.019	0.029	3 - 4 - 9	-	2.03	47	4.8	7.3	0.8 - 1.3 - 2.6	29	23	24	19	-	-
	500	125	0.030	0.046	4 - 5 - 10	14	2.54	59	7.5	11.4	1.1 - 1.6 - 3.1	33	28	29	26	16	-
	600	150	0.043	0.066	4 - 6 - 11	20	3.05	71	10.8	16.3	1.3 - 1.9 - 3.4	36	32	32	32	24	12
	700	175	0.059	0.089	5 - 7 - 12	25	3.56	83	14.6	22.2	1.5 - 2.3 - 3.7	38	35	35	36	30	17
	800	200	0.077	0.117	6 - 9 - 13	29	4.06	94	19.1	29.1	1.7 - 2.6 - 4.0	41	38	37	41	36	22
	900	225	0.097	0.148	6 - 10 - 14	33	4.57	106	24.2	36.8	1.9 - 2.9 - 4.2	43	40	39	44	40	27
	1000	250	0.120	0.182	7 - 10 - 15	37	5.08	118	29.9	45.4	2.2 - 3.1 - 4.4	45	42	41	48	45	31
	1100	275	0.145	0.221	8 - 11 - 15	40	5.59	130	36.2	54.9	2.4 - 3.3 - 4.7	46	44	43	50	49	34

IP/METRIC DATA: 6200, 56200, 12"x12" PANEL, 1 - 3-WAY (NO DAMPER)

	IP Data					Metric Data				
	Neck Vel	Air Flow	1-Way Throw	2-Way Throw	3-Way Throw	Neck Vel	Air Flow	1-Way Throw	2-Way Throw	3-Way Throw
	FPM	CFM	ft	ft	ft	m/s	L/s	m	m	m
6" x 6"	300	75	5 - 10 - 19	2 - 4 - 12	3 - 5 - 11	1.52	35.4	1.4 - 2.9 - 5.8	0.6 - 1.3 - 3.6	0.8 - 1.7 - 3.3
	400	100	8 - 13 - 24	3 - 8 - 16	5 - 7 - 15	2.03	47.2	2.5 - 3.9 - 7.3	1.0 - 2.3 - 4.8	1.5 - 2.2 - 4.5
	500	125	11 - 16 - 27	5 - 10 - 18	6 - 9 - 17	2.54	59.0	3.2 - 4.9 - 8.2	1.6 - 3.0 - 5.4	1.9 - 2.8 - 5.2
	600	150	13 - 19 - 29	8 - 12 - 19	7 - 11 - 19	3.05	70.8	3.9 - 5.8 - 8.9	2.3 - 3.6 - 5.9	2.2 - 3.3 - 5.7
	700	175	15 - 22 - 32	9 - 14 - 21	9 - 13 - 20	3.56	82.6	4.5 - 6.8 - 9.6	2.8 - 4.2 - 6.4	2.6 - 3.9 - 6.2
	800	200	17 - 24 - 34	10 - 16 - 22	10 - 15 - 22	4.06	94.4	5.2 - 7.3 - 10.3	3.2 - 4.8 - 6.8	3.0 - 4.5 - 6.6
	900	225	19 - 25 - 36	12 - 17 - 24	11 - 16 - 23	4.57	106.2	5.8 - 7.7 - 10.9	3.6 - 5.1 - 7.2	3.3 - 4.9 - 7.0
	1000	250	21 - 27 - 38	13 - 18 - 25	12 - 17 - 24	5.08	118.0	6.5 - 8.2 - 11.5	4.0 - 5.4 - 7.6	3.7 - 5.2 - 7.4
	1100	275	23 - 28 - 40	14 - 19 - 26	13 - 18 - 25	5.59	129.8	7.0 - 8.5 - 12.1	4.4 - 5.6 - 8.0	4.1 - 5.5 - 7.7

NOTES: Throw values are given for terminal velocities of 150, 100, and 50 FPM (0.75, 0.50, and 0.25 m/s). Throw values are given for isothermal conditions. 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 or dB 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-Way Throw is for [Total CFM] CFM per side (L/s). The throw values given for 2-Way Throw is for [Total CFM/2] CFM per side (L/s). The throw values given for 3-Way Throw is for [Total CFM/3] CFM per side (L/s). The throw values given for 4-Way Throw is for [Total CFM/4] CFM per side (L/s). See Krueger's selection software for performance data not shown, including octave band data.

6200, 56200 (Supply) Performance Data: Horizontal Throw

IP/METRIC DATA: 6200, 56200, 16"x16" PANEL, 4-WAY (NO DAMPER)

	IP Data						Metric Data											
	Neck Vel	Air Flow	Ps	Pt	4-Way Throw	NC	Neck Vel	Air Flow	Ps	Pt	4-Way Throw	Octave Band, dB					
	FPM	CFM	"WG	"WG	ft		m/s	L/s	Pa	Pa	m	2	3	4	5	6	7
6" x 6"	300	75	0.014	0.020	2 - 3 - 6	-	1.52	35	3.5	4.9	0.5 - 0.9 - 1.8	25	25	17	-	-	-
	400	100	0.025	0.035	3 - 4 - 7	-	2.03	47	6.2	8.7	0.8 - 1.2 - 2.2	29	30	24	19	-	-
	500	125	0.039	0.054	3 - 5 - 8	17	2.54	59	9.7	13.6	1.0 - 1.5 - 2.4	32	34	30	27	18	-
	600	150	0.056	0.078	4 - 6 - 9	23	3.05	71	13.9	19.5	1.2 - 1.8 - 2.7	34	37	34	33	26	12
	700	175	0.076	0.107	5 - 7 - 10	28	3.56	83	19.0	26.6	1.4 - 2.0 - 2.9	36	40	38	39	33	18
	800	200	0.099	0.139	5 - 7 - 10	32	4.06	94	24.8	34.7	1.6 - 2.2 - 3.1	38	43	41	43	38	23
	900	225	0.126	0.176	6 - 8 - 11	36	4.57	106	31.3	43.9	1.8 - 2.3 - 3.3	40	45	44	48	44	28
	1000	250	0.155	0.218	7 - 8 - 11	40	5.08	118	38.7	54.2	2.0 - 2.4 - 3.5	41	47	47	51	48	32
	1100	275	0.188	0.263	7 - 8 - 12	43	5.59	130	46.8	65.6	2.1 - 2.6 - 3.6	42	48	49	55	52	36
8" x 8"	200	89	0.009	0.012	1 - 2 - 5	-	1.02	42	2.3	3.0	0.3 - 0.6 - 1.6	27	21	11	-	-	-
	300	133	0.021	0.027	2 - 4 - 8	-	1.52	63	5.3	6.7	0.6 - 1.2 - 2.4	32	28	21	14	-	-
	400	178	0.038	0.048	4 - 5 - 10	15	2.03	84	9.4	11.8	1.1 - 1.6 - 2.9	36	34	29	24	16	-
	500	222	0.059	0.074	4 - 7 - 11	22	2.54	105	14.6	18.5	1.3 - 2.0 - 3.3	39	38	34	32	25	12
	600	267	0.085	0.107	5 - 8 - 12	28	3.05	126	21.0	26.6	1.6 - 2.4 - 3.6	41	41	39	39	33	19
	700	311	0.115	0.146	6 - 9 - 13	33	3.56	147	28.6	36.3	1.9 - 2.7 - 3.9	43	43	43	44	40	25
	800	356	0.150	0.190	7 - 10 - 14	38	4.06	168	37.4	47.3	2.1 - 2.9 - 4.1	45	46	46	49	46	30
	900	400	0.190	0.241	8 - 10 - 14	42	4.57	189	47.4	59.9	2.4 - 3.1 - 4.4	47	48	49	53	51	35
	1000	444	0.235	0.297	9 - 11 - 15	45	5.08	210	58.5	74.0	2.7 - 3.3 - 4.6	48	50	52	57	55	39
10" x 10"	100	69	0.003	0.004	0 - 1 - 3	-	0.51	33	0.8	1.0	0.1 - 0.2 - 0.8	24	12	-	-	-	-
	200	139	0.013	0.016	1 - 3 - 7	-	1.02	66	3.4	4.0	0.4 - 0.8 - 2.0	33	24	15	-	-	-
	300	208	0.030	0.036	3 - 5 - 10	-	1.52	98	7.6	8.9	0.8 - 1.5 - 3.0	38	31	25	18	-	-
	400	278	0.054	0.064	4 - 7 - 12	19	2.03	131	13.4	15.9	1.3 - 2.0 - 3.6	42	36	32	29	21	-
	500	347	0.084	0.100	6 - 8 - 13	27	2.54	164	21.0	24.9	1.7 - 2.5 - 4.1	45	40	38	37	31	17
	600	417	0.121	0.144	7 - 10 - 15	33	3.05	197	30.2	35.8	2.0 - 3.0 - 4.5	47	43	42	43	39	25
	700	486	0.165	0.196	8 - 11 - 16	38	3.56	229	41.1	48.7	2.4 - 3.4 - 4.8	49	46	46	49	45	31
	800	556	0.216	0.256	9 - 12 - 17	42	4.06	262	53.7	63.6	2.7 - 3.6 - 5.2	51	48	50	53	51	36
	900	625	0.273	0.323	10 - 13 - 18	46	4.57	295	68.0	80.5	3.0 - 3.9 - 5.5	52	50	53	58	56	40

NOTES: Throw values are given for terminal velocities of 150, 100, and 50 FPM (0.75, 0.50, and 0.25 m/s). Throw values are given for isothermal conditions. 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 or dB 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 4-Way Throw is for [Total CFM/4] CFM per side (L/s). See Krueger's selection software for performance data not shown, including octave band data.

6200, 56200 (Supply) Performance Data: Horizontal Throw

IP/METRIC DATA: 6200, 56200, 16"x16" PANEL, 1 - 3-WAY (NO DAMPER)

	IP Data					Metric Data				
	Neck Vel	Air Flow	1-Way Throw	2-Way Throw	3-Way Throw	Neck Vel	Air Flow	1-Way Throw	2-Way Throw	3-Way Throw
	FPM	CFM	ft	ft	ft	m/s	L/s	m	m	m
6" x 6"	300	75	4 - 8 - 16	2 - 4 - 12	2 - 4 - 9	1.52	35.4	1.2 - 2.5 - 4.9	0.6 - 1.3 - 3.6	0.5 - 1.1 - 2.8
	400	100	7 - 11 - 19	3 - 8 - 16	3 - 6 - 12	2.03	47.2	2.1 - 3.3 - 5.7	1.0 - 2.3 - 4.8	0.9 - 1.8 - 3.7
	500	125	9 - 14 - 21	5 - 10 - 18	5 - 8 - 15	2.54	59.0	2.7 - 4.1 - 6.3	1.6 - 3.0 - 5.4	1.4 - 2.3 - 4.6
	600	150	11 - 16 - 23	8 - 12 - 19	6 - 9 - 17	3.05	70.8	3.3 - 4.9 - 6.9	2.3 - 3.6 - 5.9	1.8 - 2.8 - 5.0
	700	175	13 - 17 - 25	9 - 14 - 21	7 - 11 - 18	3.56	82.6	3.8 - 5.3 - 7.5	2.8 - 4.2 - 6.4	2.2 - 3.2 - 5.4
	800	200	14 - 19 - 26	10 - 16 - 22	8 - 12 - 19	4.06	94.4	4.4 - 5.7 - 8.0	3.2 - 4.8 - 6.8	2.5 - 3.7 - 5.8
	900	225	16 - 20 - 28	12 - 17 - 24	9 - 14 - 20	4.57	106.2	4.9 - 6.0 - 8.5	3.6 - 5.1 - 7.2	2.8 - 4.2 - 6.2
	1000	250	17 - 21 - 29	13 - 18 - 25	10 - 15 - 21	5.08	118.0	5.2 - 6.3 - 9.0	4.0 - 5.4 - 7.6	3.1 - 4.6 - 6.5
	1100	275	18 - 22 - 31	14 - 19 - 26	11 - 16 - 22	5.59	129.8	5.4 - 6.6 - 9.4	4.4 - 5.6 - 8.0	3.4 - 4.8 - 6.8
8" x 8"	200	89	2 - 5 - 14	1 - 3 - 10	1 - 2 - 8	1.02	42.0	0.7 - 1.6 - 4.4	0.3 - 0.8 - 3.1	0.3 - 0.7 - 2.5
	300	133	5 - 11 - 22	3 - 6 - 16	2 - 5 - 12	1.52	62.9	1.6 - 3.3 - 6.5	0.8 - 1.8 - 4.8	0.7 - 1.5 - 3.7
	400	178	9 - 14 - 25	5 - 10 - 21	4 - 8 - 16	2.03	83.9	2.8 - 4.4 - 7.5	1.4 - 3.1 - 6.4	1.2 - 2.5 - 4.9
	500	222	12 - 18 - 28	7 - 13 - 24	6 - 10 - 20	2.54	104.9	3.7 - 5.5 - 8.4	2.2 - 4.0 - 7.2	1.9 - 3.1 - 6.1
	600	267	14 - 22 - 30	10 - 16 - 26	8 - 12 - 22	3.05	125.9	4.4 - 6.5 - 9.2	3.1 - 4.8 - 7.9	2.5 - 3.7 - 6.7
	700	311	17 - 23 - 33	12 - 18 - 28	9 - 14 - 24	3.56	146.8	5.1 - 7.1 - 10.0	3.7 - 5.6 - 8.5	2.9 - 4.3 - 7.2
	800	356	19 - 25 - 35	14 - 21 - 30	11 - 16 - 25	4.06	167.8	5.9 - 7.5 - 10.7	4.2 - 6.4 - 9.1	3.3 - 4.9 - 7.7
	900	400	22 - 26 - 37	16 - 22 - 32	12 - 18 - 27	4.57	188.8	6.5 - 8.0 - 11.3	4.8 - 6.8 - 9.6	3.7 - 5.5 - 8.2
	1000	444	23 - 28 - 39	17 - 24 - 33	14 - 20 - 28	5.08	209.8	6.9 - 8.4 - 11.9	5.3 - 7.2 - 10.2	4.1 - 6.1 - 8.7
10" x 10"	100	69	1 - 2 - 7	0 - 1 - 3	0 - 1 - 3	0.51	32.8	0.2 - 0.5 - 2.0	0.1 - 0.2 - 1.0	0.1 - 0.2 - 0.9
	200	139	3 - 7 - 18	1 - 3 - 13	1 - 3 - 10	1.02	65.5	0.9 - 2.0 - 5.5	0.4 - 1.0 - 3.9	0.4 - 0.9 - 3.1
	300	208	7 - 14 - 27	3 - 7 - 20	3 - 6 - 15	1.52	98.3	2.0 - 4.1 - 8.2	1.0 - 2.2 - 6.0	0.9 - 1.9 - 4.6
	400	278	12 - 18 - 31	6 - 13 - 26	5 - 10 - 20	2.03	131.1	3.5 - 5.5 - 9.4	1.7 - 3.9 - 7.9	1.5 - 3.1 - 6.2
	500	347	15 - 23 - 35	9 - 16 - 30	8 - 13 - 25	2.54	163.9	4.6 - 6.9 - 10.6	2.7 - 5.0 - 9.0	2.4 - 3.9 - 7.7
	600	417	18 - 27 - 38	13 - 20 - 32	10 - 15 - 28	3.05	196.6	5.5 - 8.2 - 11.6	3.9 - 6.0 - 9.8	3.1 - 4.6 - 8.4
	700	486	21 - 29 - 41	15 - 23 - 35	12 - 18 - 30	3.56	229.4	6.4 - 8.8 - 12.5	4.6 - 7.0 - 10.6	3.6 - 5.4 - 9.1
	800	556	24 - 31 - 44	17 - 26 - 37	14 - 20 - 32	4.06	262.2	7.3 - 9.4 - 13.3	5.3 - 7.9 - 11.3	4.1 - 6.2 - 9.7
	900	625	27 - 33 - 47	20 - 28 - 40	15 - 23 - 34	4.57	295.0	8.2 - 10.0 - 14.2	6.0 - 8.5 - 12.0	4.6 - 6.9 - 10.3

NOTES: Throw values are given for terminal velocities of 150, 100, and 50 FPM (0.75, 0.50, and 0.25 m/s). Throw values are given for isothermal conditions. 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-Way Throw is for [Total CFM] CFM per side (L/s). The throw values given for 2-Way Throw is for [Total CFM/2] CFM per side (L/s). The throw values given for 3-Way Throw is for [Total CFM/3] CFM per side (L/s). See Krueger's selection software for performance data not shown, including octave band data.

6200, 56200 (Supply) Performance Data: Horizontal Throw

IP/METRIC DATA: 6200, 56200, 20"x20" PANEL, 4-WAY (NO DAMPER)

	IP Data						Metric Data											
	Neck Vel	Air Flow	Ps	Pt	4-Way Throw	NC	Neck Vel	Air Flow	Ps	Pt	4-Way Throw	Octave Band, dB					
	FPM	CFM	"WG	"WG	ft		m/s	L/s	Pa	Pa	m	2	3	4	5	6	7
6" x 6"	300	75	0.005	0.011	1 - 2 - 6	-	1.52	35	1.3	2.7	0.3 - 0.7 - 1.8	22	22	16	-	-	-
	400	100	0.009	0.019	2 - 4 - 8	-	2.03	47	2.3	4.8	0.5 - 1.2 - 2.4	27	28	23	11	-	-
	500	125	0.015	0.030	3 - 5 - 10	-	2.54	59	3.7	7.6	0.8 - 1.5 - 3.0	31	32	29	21	-	-
	600	150	0.021	0.044	4 - 6 - 11	15	3.05	71	5.3	10.9	1.2 - 1.8 - 3.2	33	36	33	28	19	-
	700	175	0.029	0.059	5 - 7 - 11	21	3.56	83	7.2	14.8	1.4 - 2.1 - 3.5	36	39	37	35	27	14
	800	200	0.038	0.078	5 - 8 - 12	26	4.06	94	9.4	19.3	1.6 - 2.4 - 3.7	38	41	40	40	34	21
	900	225	0.048	0.098	6 - 9 - 13	30	4.57	106	11.9	24.5	1.8 - 2.7 - 4.0	40	44	43	45	40	26
	1000	250	0.059	0.121	7 - 10 - 14	34	5.08	118	14.7	30.2	2.0 - 3.0 - 4.2	42	46	46	49	45	32
	1250	313	0.092	0.189	8 - 11 - 15	42	6.35	147	22.9	47.2	2.5 - 3.3 - 4.7	45	50	51	59	57	43
8" x 8"	200	89	0.006	0.008	1 - 1 - 5	-	1.02	42	1.5	2.1	0.2 - 0.4 - 1.6	20	19	12	-	-	-
	300	133	0.013	0.019	1 - 3 - 8	-	1.52	63	3.4	4.8	0.4 - 0.9 - 2.4	26	27	22	-	-	-
	400	178	0.024	0.034	2 - 5 - 11	12	2.03	84	6.0	8.5	0.7 - 1.6 - 3.2	31	33	29	22	12	-
	500	222	0.037	0.053	4 - 7 - 13	20	2.54	105	9.3	13.2	1.1 - 2.0 - 3.9	34	37	35	31	23	-
	600	267	0.054	0.076	5 - 8 - 14	27	3.05	126	13.4	19.0	1.6 - 2.4 - 4.3	37	41	39	39	32	19
	700	311	0.073	0.104	6 - 9 - 15	32	3.56	147	18.3	25.9	1.9 - 2.8 - 4.7	40	44	43	45	40	27
	800	356	0.096	0.136	7 - 11 - 16	37	4.06	168	23.9	33.8	2.1 - 3.2 - 5.0	42	46	46	51	47	34
	900	400	0.121	0.172	8 - 12 - 17	41	4.57	189	30.2	42.8	2.4 - 3.6 - 5.3	44	49	49	56	53	40
	1000	444	0.150	0.212	9 - 13 - 18	45	5.08	210	37.3	52.8	2.7 - 3.9 - 5.6	46	51	52	60	58	45
10" x 10"	100	69	0.003	0.003	0 - 0 - 2	-	0.51	33	0.7	0.8	0.1 - 0.1 - 0.5	12	-	-	-	-	-
	200	139	0.011	0.013	1 - 2 - 7	-	1.02	66	2.7	3.3	0.2 - 0.5 - 2.0	23	23	17	-	-	-
	300	208	0.024	0.030	2 - 4 - 10	-	1.52	98	6.0	7.4	0.5 - 1.1 - 3.0	29	31	27	19	-	-
	400	278	0.043	0.053	3 - 7 - 13	21	2.03	131	10.6	13.1	0.9 - 2.0 - 4.0	34	37	34	31	22	-
	500	347	0.067	0.082	5 - 8 - 16	29	2.54	164	16.6	20.5	1.4 - 2.5 - 4.9	38	41	39	40	33	21
	550	382	0.081	0.100	6 - 9 - 17	32	2.79	180	20.1	24.8	1.7 - 2.8 - 5.2	39	43	42	44	38	25
	600	417	0.096	0.118	7 - 10 - 18	35	3.05	197	23.9	29.5	2.0 - 3.0 - 5.4	40	45	44	48	43	30
	700	486	0.131	0.161	8 - 12 - 19	41	3.56	229	32.5	40.1	2.4 - 3.5 - 5.8	43	48	48	54	50	37
	800	556	0.171	0.211	9 - 13 - 20	46	4.06	262	42.5	52.4	2.7 - 4.0 - 6.2	45	50	51	59	57	44
12" x 12"	100	100	0.004	0.005	0 - 0 - 2	-	0.51	47	1.0	1.2	0.1 - 0.2 - 0.6	14	12	-	-	-	-
	200	200	0.016	0.019	1 - 2 - 8	-	1.02	94	4.1	4.7	0.3 - 0.6 - 2.4	25	26	21	-	-	-
	300	300	0.037	0.042	2 - 4 - 12	17	1.52	142	9.2	10.6	0.6 - 1.4 - 3.6	32	34	31	26	16	-
	400	400	0.065	0.075	4 - 8 - 16	28	2.03	189	16.3	18.8	1.1 - 2.4 - 4.8	36	40	38	38	30	18
	450	450	0.083	0.096	4 - 9 - 18	32	2.29	212	20.6	23.8	1.4 - 2.7 - 5.4	38	42	41	43	36	24
	500	500	0.102	0.118	5 - 10 - 19	36	2.54	236	25.5	29.4	1.7 - 3.0 - 5.9	40	44	43	47	42	29
	550	550	0.124	0.143	7 - 11 - 20	39	2.79	260	30.8	35.5	2.0 - 3.3 - 6.2	42	46	46	51	46	34
	600	600	0.147	0.170	8 - 12 - 21	43	3.05	283	36.7	42.3	2.4 - 3.6 - 6.5	43	48	48	54	51	38
	650	650	0.173	0.199	9 - 13 - 22	45	3.30	307	43.1	49.6	2.6 - 3.9 - 6.7	44	49	50	58	55	42

NOTES: Throw values are given for terminal velocities of 150, 100, and 50 FPM (0.75, 0.50, and 0.25 m/s). Throw values are given for isothermal conditions. 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 or dB 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 4-Way Throw is for [Total CFM/4] CFM per side (L/s). See Krueger's selection software for performance data not shown, including octave band data.

6200, 56200 (Supply) Performance Data: Horizontal Throw

IP/METRIC DATA: 6200, 56200, 20"x20" PANEL, 1 - 3-WAY (NO DAMPER)

	IP Data					Metric Data				
	Neck Vel	Air Flow	1-Way Throw	2-Way Throw	3-Way Throw	Neck Vel	Air Flow	1-Way Throw	2-Way Throw	3-Way Throw
	FPM	CFM	ft	ft	ft	m/s	L/s	m	m	m
6" x 6"	300	75	4 - 8 - 16	1 - 2 - 8	1 - 3 - 8	1.52	35.4	1.2 - 2.5 - 4.9	0.3 - 0.7 - 2.5	0.4 - 0.9 - 2.4
	400	100	7 - 11 - 19	2 - 4 - 11	2 - 5 - 11	2.03	47.2	2.1 - 3.3 - 5.7	0.6 - 1.3 - 3.3	0.7 - 1.5 - 3.2
	500	125	9 - 14 - 21	3 - 7 - 14	3 - 7 - 12	2.54	59.0	2.7 - 4.1 - 6.3	0.9 - 2.1 - 4.1	1.1 - 2.0 - 3.7
	600	150	11 - 16 - 23	4 - 8 - 15	5 - 8 - 13	3.05	70.8	3.3 - 4.9 - 6.9	1.3 - 2.5 - 4.5	1.5 - 2.4 - 4.0
	700	175	13 - 17 - 25	6 - 10 - 16	6 - 9 - 14	3.56	82.6	3.8 - 5.3 - 7.5	1.8 - 2.9 - 4.9	1.9 - 2.8 - 4.3
	800	200	14 - 19 - 26	7 - 11 - 17	7 - 11 - 15	4.06	94.4	4.4 - 5.7 - 8.0	2.2 - 3.3 - 5.2	2.1 - 3.2 - 4.6
	900	225	16 - 20 - 28	8 - 12 - 18	8 - 11 - 16	4.57	106.2	4.9 - 6.0 - 8.5	2.5 - 3.8 - 5.6	2.4 - 3.5 - 4.9
	1000	250	17 - 21 - 29	9 - 14 - 19	9 - 12 - 17	5.08	118.0	5.2 - 6.3 - 9.0	2.8 - 4.1 - 5.9	2.7 - 3.7 - 5.2
	1250	313	19 - 23 - 33	11 - 15 - 22	11 - 13 - 19	6.35	147.5	5.8 - 7.1 - 10.0	3.5 - 4.6 - 6.5	3.3 - 4.1 - 5.8
8" x 8"	200	89	2 - 5 - 14	1 - 1 - 6	1 - 2 - 7	1.02	42.0	0.7 - 1.6 - 4.4	0.2 - 0.4 - 1.8	0.2 - 0.5 - 2.0
	300	133	5 - 11 - 22	1 - 3 - 11	2 - 4 - 11	1.52	62.9	1.6 - 3.3 - 6.5	0.4 - 1.0 - 3.3	0.5 - 1.1 - 3.2
	400	178	9 - 14 - 25	3 - 6 - 15	3 - 7 - 14	2.03	83.9	2.8 - 4.4 - 7.5	0.8 - 1.8 - 4.5	0.9 - 2.0 - 4.3
	500	222	12 - 18 - 28	4 - 9 - 18	5 - 9 - 16	2.54	104.9	3.7 - 5.5 - 8.4	1.2 - 2.7 - 5.5	1.4 - 2.7 - 4.9
	600	267	14 - 22 - 30	6 - 11 - 20	7 - 11 - 18	3.05	125.9	4.4 - 6.5 - 9.2	1.8 - 3.3 - 6.0	2.0 - 3.2 - 5.3
	700	311	17 - 23 - 33	8 - 13 - 21	8 - 12 - 19	3.56	146.8	5.1 - 7.1 - 10.0	2.4 - 3.9 - 6.5	2.5 - 3.7 - 5.8
	800	356	19 - 25 - 35	10 - 15 - 23	9 - 14 - 20	4.06	167.8	5.9 - 7.5 - 10.7	3.0 - 4.5 - 7.0	2.8 - 4.3 - 6.2
	900	400	22 - 26 - 37	11 - 16 - 24	11 - 15 - 22	4.57	188.8	6.5 - 8.0 - 11.3	3.3 - 5.0 - 7.4	3.2 - 4.6 - 6.5
	1000	444	23 - 28 - 39	12 - 18 - 26	12 - 16 - 23	5.08	209.8	6.9 - 8.4 - 11.9	3.7 - 5.5 - 7.8	3.6 - 4.9 - 6.9
10" x 10"	100	69	1 - 2 - 7	0 - 0 - 2	0 - 1 - 2	0.51	32.8	0.2 - 0.5 - 2.0	0.1 - 0.1 - 0.5	0.1 - 0.2 - 0.6
	200	139	3 - 7 - 18	1 - 2 - 7	1 - 2 - 8	1.02	65.5	0.9 - 2.0 - 5.5	0.2 - 0.5 - 2.2	0.3 - 0.6 - 2.6
	300	208	7 - 14 - 27	2 - 4 - 14	2 - 5 - 13	1.52	98.3	2.0 - 4.1 - 8.2	0.5 - 1.2 - 4.2	0.6 - 1.4 - 4.0
	400	278	12 - 18 - 31	3 - 7 - 18	4 - 8 - 18	2.03	131.1	3.5 - 5.5 - 9.4	1.0 - 2.2 - 5.6	1.1 - 2.6 - 5.3
	500	347	15 - 23 - 35	5 - 11 - 23	6 - 11 - 20	2.54	163.9	4.6 - 6.9 - 10.6	1.5 - 3.4 - 6.9	1.8 - 3.3 - 6.1
	550	382	17 - 25 - 36	6 - 13 - 24	7 - 12 - 21	2.79	180.3	5.0 - 7.6 - 11.1	1.8 - 3.8 - 7.2	2.1 - 3.7 - 6.4
	600	417	18 - 27 - 38	7 - 14 - 25	8 - 13 - 22	3.05	196.6	5.5 - 8.2 - 11.6	2.2 - 4.2 - 7.6	2.6 - 4.0 - 6.7
	700	486	21 - 29 - 41	10 - 16 - 27	10 - 15 - 24	3.56	229.4	6.4 - 8.8 - 12.5	3.0 - 4.9 - 8.2	3.1 - 4.7 - 7.2
	800	556	24 - 31 - 44	12 - 18 - 29	12 - 18 - 25	4.06	262.2	7.3 - 9.4 - 13.3	3.7 - 5.6 - 8.7	3.6 - 5.3 - 7.7
12" x 12"	100	100	1 - 2 - 8	0 - 1 - 2	0 - 1 - 3	0.51	47.2	0.3 - 0.6 - 2.4	0.1 - 0.2 - 0.7	0.1 - 0.2 - 0.8
	200	200	3 - 8 - 22	1 - 2 - 9	1 - 3 - 10	1.02	94.4	1.1 - 2.4 - 6.6	0.3 - 0.7 - 2.6	0.3 - 0.8 - 3.1
	300	300	8 - 16 - 32	2 - 5 - 16	3 - 6 - 16	1.52	141.6	2.4 - 4.9 - 9.8	0.7 - 1.5 - 5.0	0.8 - 1.7 - 4.8
	400	400	14 - 22 - 37	4 - 9 - 22	4 - 10 - 21	2.03	188.8	4.2 - 6.6 - 11.3	1.2 - 2.6 - 6.7	1.4 - 3.1 - 6.4
	450	450	16 - 24 - 40	5 - 11 - 25	6 - 12 - 23	2.29	212.4	4.9 - 7.4 - 12.0	1.5 - 3.3 - 7.5	1.7 - 3.6 - 6.9
	500	500	18 - 27 - 42	6 - 14 - 27	7 - 13 - 24	2.54	236.0	5.5 - 8.2 - 12.7	1.8 - 4.1 - 8.3	2.1 - 4.0 - 7.3
	550	550	20 - 30 - 44	7 - 15 - 29	8 - 14 - 25	2.79	259.6	6.0 - 9.1 - 13.3	2.2 - 4.6 - 8.7	2.6 - 4.4 - 7.7
	600	600	22 - 32 - 46	9 - 16 - 30	10 - 16 - 26	3.05	283.2	6.6 - 9.8 - 13.9	2.6 - 5.0 - 9.1	3.1 - 4.8 - 8.0
	650	650	23 - 34 - 47	10 - 18 - 31	11 - 17 - 27	3.30	306.8	7.1 - 10.2 - 14.4	3.1 - 5.4 - 9.4	3.5 - 5.2 - 8.3

NOTES: Throw values are given for terminal velocities of 150, 100, and 50 FPM (0.75, 0.50, and 0.25 m/s). Throw values are given for isothermal conditions. 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-Way Throw is for [Total CFM] CFM per side (L/s). The throw values given for 2-Way Throw is for [Total CFM/2] CFM per side (L/s). The throw values given for 3-Way Throw is for [Total CFM/3] CFM per side (L/s). See Krueger's selection software for performance data not shown, including octave band data.

6200, 56200 (Supply) Performance Data: Horizontal Throw

IP/METRIC DATA: 6200, 56200, 24"x24" PANEL, 4-WAY (NO DAMPER)

	IP Data						Metric Data											
	Neck Vel	Air Flow	Ps	Pt	4-Way Throw	NC	Neck Vel	Air Flow	Ps	Pt	4-Way Throw	Octave Band, dB					
	FPM	CFM	"WG	"WG	ft		m/s	L/s	Pa	Pa	m	2	3	4	5	6	7
6" x 6"	300	75	0.004	0.010	1 - 2 - 6	-	1.52	35	1.0	2.4	0.3 - 0.7 - 1.8	34	25	27	15	-	-
	400	100	0.007	0.017	2 - 4 - 8	14	2.03	47	1.8	4.3	0.5 - 1.2 - 2.4	36	30	32	22	-	-
	500	125	0.011	0.027	3 - 5 - 10	19	2.54	59	2.8	6.7	0.8 - 1.5 - 3.0	38	33	36	28	13	-
	600	150	0.016	0.039	4 - 6 - 11	23	3.05	71	4.0	9.6	1.2 - 1.8 - 3.2	40	36	39	32	19	-
	700	175	0.022	0.053	5 - 7 - 11	26	3.56	83	5.5	13.1	1.4 - 2.1 - 3.5	41	38	41	36	24	13
	800	200	0.029	0.069	5 - 8 - 12	29	4.06	94	7.2	17.1	1.6 - 2.4 - 3.7	42	40	44	39	29	18
	900	225	0.036	0.087	6 - 9 - 13	32	4.57	106	9.1	21.6	1.8 - 2.7 - 4.0	44	42	46	42	33	21
	1000	250	0.045	0.107	7 - 10 - 14	34	5.08	118	11.2	26.7	2.0 - 3.0 - 4.2	44	44	47	45	36	25
	1100	275	0.054	0.130	7 - 10 - 14	36	5.59	130	13.5	32.3	2.2 - 3.1 - 4.4	45	45	49	47	40	28
8" x 8"	300	133	0.007	0.012	1 - 3 - 8	-	1.52	63	1.6	3.0	0.4 - 0.9 - 2.4	35	26	28	17	-	-
	400	178	0.012	0.022	2 - 5 - 11	16	2.03	84	2.9	5.4	0.7 - 1.6 - 3.2	38	30	33	24	-	-
	500	222	0.018	0.034	4 - 7 - 13	21	2.54	105	4.5	8.4	1.1 - 2.0 - 3.9	40	34	37	29	16	-
	600	267	0.026	0.048	5 - 8 - 14	24	3.05	126	6.5	12.1	1.6 - 2.4 - 4.3	41	37	40	34	22	12
	700	311	0.035	0.066	6 - 9 - 15	28	3.56	147	8.8	16.4	1.9 - 2.8 - 4.7	42	39	42	38	27	17
	800	356	0.046	0.086	7 - 11 - 16	30	4.06	168	11.5	21.4	2.1 - 3.2 - 5.0	44	41	45	41	32	21
	900	400	0.058	0.109	8 - 12 - 17	33	4.57	189	14.6	27.1	2.4 - 3.6 - 5.3	45	43	47	44	36	25
	1000	444	0.072	0.135	9 - 13 - 18	35	5.08	210	18.0	33.5	2.7 - 3.9 - 5.6	46	44	48	46	39	28
	1100	489	0.087	0.163	10 - 14 - 19	37	5.59	231	21.7	40.5	3.0 - 4.1 - 5.8	46	46	50	49	42	31
10" x 10"	300	208	0.010	0.015	2 - 4 - 10	-	1.52	98	2.4	3.8	0.5 - 1.1 - 3.0	36	26	29	18	-	-
	400	278	0.017	0.027	3 - 7 - 13	17	2.03	131	4.3	6.8	0.9 - 2.0 - 4.0	38	31	34	25	-	-
	500	347	0.027	0.042	5 - 8 - 16	22	2.54	164	6.7	10.6	1.4 - 2.5 - 4.9	40	34	37	30	18	-
	600	417	0.039	0.061	7 - 10 - 18	25	3.05	197	9.6	15.2	2.0 - 3.0 - 5.4	42	37	40	35	24	14
	700	486	0.053	0.083	8 - 12 - 19	29	3.56	229	13.1	20.7	2.4 - 3.5 - 5.8	43	39	43	39	29	19
	800	556	0.069	0.109	9 - 13 - 20	31	4.06	262	17.1	27.0	2.7 - 4.0 - 6.2	45	42	45	42	34	24
	900	625	0.087	0.137	10 - 15 - 22	34	4.57	295	21.6	34.2	3.0 - 4.5 - 6.6	46	43	47	45	38	28
	1000	694	0.107	0.170	11 - 16 - 23	36	5.08	328	26.7	42.2	3.4 - 4.9 - 7.0	46	45	49	48	41	31
	1100	764	0.130	0.205	12 - 17 - 24	38	5.59	361	32.3	51.1	3.7 - 5.2 - 7.3	47	46	51	50	44	34
12" x 12"	300	300	0.014	0.019	2 - 4 - 12	12	1.52	142	3.4	4.8	0.6 - 1.4 - 3.6	37	27	29	19	-	-
	400	400	0.024	0.034	4 - 8 - 16	18	2.03	189	6.0	8.5	1.1 - 2.4 - 4.8	39	31	34	26	12	-
	500	500	0.038	0.053	5 - 10 - 19	22	2.54	236	9.3	13.2	1.7 - 3.0 - 5.9	41	35	38	31	19	-
	600	600	0.054	0.076	8 - 12 - 21	26	3.05	283	13.5	19.0	2.4 - 3.6 - 6.5	43	38	41	36	26	16
	700	700	0.074	0.104	9 - 14 - 23	29	3.56	330	18.3	25.9	2.8 - 4.2 - 7.0	44	40	44	40	31	21
	800	800	0.096	0.136	11 - 16 - 25	32	4.06	378	23.9	33.9	3.2 - 4.8 - 7.5	45	42	46	43	35	26
	900	900	0.122	0.172	12 - 18 - 26	35	4.57	425	30.3	42.9	3.6 - 5.4 - 7.9	46	44	48	46	39	30
	1000	1000	0.150	0.212	13 - 19 - 27	37	5.08	472	37.4	52.9	4.0 - 5.9 - 8.4	47	45	50	49	43	33
	1100	1100	0.182	0.257	15 - 20 - 29	39	5.59	519	45.2	64.0	4.4 - 6.2 - 8.8	48	47	52	51	46	36
14" x 14"	300	408	0.018	0.024	2 - 5 - 14	12	1.52	193	4.5	5.9	0.7 - 1.6 - 4.2	37	27	30	20	-	-
	400	544	0.032	0.042	4 - 9 - 19	18	2.03	257	8.0	10.5	1.2 - 2.8 - 5.6	40	32	35	27	13	-
	500	681	0.050	0.066	6 - 12 - 23	23	2.54	321	12.5	16.4	1.9 - 3.5 - 6.9	42	35	39	32	21	12
	600	817	0.072	0.095	9 - 14 - 25	27	3.05	385	18.0	23.6	2.8 - 4.2 - 7.6	43	38	42	37	27	18
	700	953	0.098	0.129	11 - 16 - 27	30	3.56	450	24.5	32.1	3.3 - 4.9 - 8.2	45	40	44	41	32	23
	800	1089	0.129	0.168	12 - 19 - 29	33	4.06	514	32.0	41.9	3.8 - 5.6 - 8.7	46	42	47	44	37	28
	900	1225	0.163	0.213	14 - 21 - 30	36	4.57	578	40.5	53.1	4.2 - 6.3 - 9.2	47	44	49	47	41	31
	1000	1361	0.201	0.263	15 - 23 - 32	38	5.08	642	50.0	65.5	4.7 - 6.9 - 9.7	48	46	50	49	44	35
	1100	1497	0.243	0.318	17 - 24 - 34	40	5.59	707	60.5	79.3	5.2 - 7.2 - 10.2	49	47	52	52	47	38
16" x 16"	300	533	0.023	0.029	3 - 6 - 16	13	1.52	252	5.8	7.2	0.8 - 1.8 - 4.8	38	28	30	20	-	-
	400	711	0.041	0.051	5 - 11 - 21	19	2.03	336	10.3	12.8	1.4 - 3.2 - 6.4	40	32	35	27	15	-
	500	889	0.065	0.080	7 - 13 - 26	24	2.54	420	16.1	20.0	2.2 - 4.0 - 7.9	42	36	39	33	22	14
	600	1067	0.093	0.116	11 - 16 - 28	28	3.05	503	23.2	28.8	3.2 - 4.8 - 8.6	44	38	42	37	28	20
	700	1244	0.127	0.158	12 - 19 - 31	31	3.56	587	31.6	39.2	3.8 - 5.6 - 9.3	45	41	45	41	33	25
	800	1422	0.166	0.206	14 - 21 - 33	34	4.06	671	41.3	51.2	4.3 - 6.4 - 10.0	46	43	47	45	38	29
	900	1600	0.210	0.260	16 - 24 - 35	36	4.57	755	52.3	64.9	4.8 - 7.3 - 10.6	47	45	49	48	42	33
	1000	1778	0.259	0.322	18 - 26 - 37	38	5.08	839	64.6	80.1	5.4 - 7.9 - 11.1	48	46	51	50	45	36
	1100	1956	0.314	0.389	19 - 27 - 38	40	5.59	923	78.1	96.9	5.9 - 8.3 - 11.7	49	48	53	52	48	40
18" x 18"	300	675	0.029	0.035	3 - 7 - 18	14	1.52	319	7.3	8.7	0.9 - 2.0 - 5.4	38	28	31	21	-	-
	400	900	0.052	0.062	5 - 12 - 24	20	2.03	425	13.0	15.5	1.6 - 3.6 - 7.3	41	32	36	28	16	-
	500	1125	0.081	0.097	8 - 15 - 29	24	2.54	531	20.3	24.1	2.5 - 4.5 - 8.9	43	36	39	34	23	15
	600	1350	0.117	0.140	12 - 18 - 32	28	3.05	637	29.2	34.8	3.6 - 5.4 - 9.7	44	39	43	38	29	21
	700	1575	0.160	0.190	14 - 21 - 34	31	3.56	743	39.7	47.3	4.2 - 6.3 - 10.5	46	41	45	42	34	26
	800	1800	0.208	0.248	16 - 24 - 37	34	4.06	850	51.9	61.8	4.8 - 7.3 - 11.2	47	43	48	45	39	31
	900	2025	0.264	0.314	18 - 27 - 39	37	4.57	956	65.7	78.2	5.4 - 8.2 - 11.9	48	45	50	48	43	34
	1000	2250	0.326	0.388	20 - 29 - 41	39	5.08	1062	81.1	96.6	6.0 - 8.9 - 12.5	49	47	51	51	46	38
	1100	2475	0.394	0.469	22 - 31 - 43	41	5.59	1168	98.1	116.9	6.6 - 9.3 - 13.1	50	48	53	53	50	41

NOTE: See page C1-22 for notes.

6200, 56200 (Supply) Performance Data: Horizontal Throw

IP/METRIC DATA: 6200, 56200, 24"x24" PANEL, 1 - 3-WAY (NO DAMPER)

	IP Data					Metric Data				
	Neck Vel	Air Flow	1-Way Throw	2-Way Throw	3-Way Throw	Neck Vel	Air Flow	1-Way Throw	2-Way Throw	3-Way Throw
	FPM	CFM	ft	ft	ft	m/s	L/s	m	m	m
6" x 6"	300	75	3 - 7 - 14	3 - 6 - 11	1 - 3 - 8	1.52	35.4	1.0 - 2.2 - 4.1	0.8 - 1.7 - 3.4	0.4 - 0.9 - 2.4
	400	100	6 - 10 - 16	5 - 8 - 13	2 - 5 - 11	2.03	47.2	1.8 - 3.1 - 4.8	1.4 - 2.4 - 3.9	0.7 - 1.5 - 3.2
	500	125	9 - 12 - 18	7 - 10 - 14	3 - 7 - 12	2.54	59.0	2.6 - 3.8 - 5.3	2.0 - 3.0 - 4.4	1.1 - 2.0 - 3.7
	600	150	10 - 14 - 19	8 - 11 - 16	5 - 8 - 13	3.05	70.8	3.1 - 4.1 - 5.8	2.4 - 3.4 - 4.8	1.5 - 2.4 - 4.0
	700	175	12 - 15 - 21	9 - 12 - 17	6 - 9 - 14	3.56	82.6	3.6 - 4.5 - 6.3	2.8 - 3.6 - 5.2	1.9 - 2.8 - 4.3
	800	200	13 - 16 - 22	10 - 13 - 18	7 - 11 - 15	4.06	94.4	3.9 - 4.8 - 6.7	3.2 - 3.9 - 5.5	2.1 - 3.2 - 4.6
	900	225	14 - 17 - 23	11 - 14 - 19	8 - 11 - 16	4.57	106.2	4.1 - 5.0 - 7.1	3.4 - 4.1 - 5.8	2.4 - 3.5 - 4.9
	1000	250	14 - 18 - 25	12 - 14 - 20	9 - 12 - 17	5.08	118.0	4.3 - 5.3 - 7.5	3.6 - 4.4 - 6.2	2.7 - 3.7 - 5.2
	1100	275	15 - 18 - 26	12 - 15 - 21	10 - 13 - 18	5.59	129.8	4.6 - 5.6 - 7.9	3.7 - 4.6 - 6.5	2.9 - 3.8 - 5.4
8" x 8"	300	133	4 - 10 - 18	3 - 8 - 15	2 - 4 - 11	1.52	62.9	1.3 - 3.0 - 5.5	1.0 - 2.3 - 4.5	0.5 - 1.1 - 3.2
	400	178	8 - 14 - 21	6 - 10 - 17	3 - 7 - 14	2.03	83.9	2.4 - 4.1 - 6.3	1.8 - 3.2 - 5.2	0.9 - 2.0 - 4.3
	500	222	11 - 17 - 23	9 - 13 - 19	5 - 9 - 16	2.54	104.9	3.5 - 5.0 - 7.1	2.6 - 4.0 - 5.8	1.4 - 2.7 - 4.9
	600	267	14 - 18 - 26	10 - 15 - 21	7 - 11 - 18	3.05	125.9	4.1 - 5.5 - 7.8	3.2 - 4.5 - 6.4	2.0 - 3.2 - 5.3
	700	311	16 - 20 - 28	12 - 16 - 23	8 - 12 - 19	3.56	146.8	4.8 - 5.9 - 8.4	3.7 - 4.9 - 6.9	2.5 - 3.7 - 5.8
	800	356	17 - 21 - 30	14 - 17 - 24	9 - 14 - 20	4.06	167.8	5.2 - 6.3 - 9.0	4.2 - 5.2 - 7.3	2.8 - 4.3 - 6.2
	900	400	18 - 22 - 31	15 - 18 - 26	11 - 15 - 22	4.57	188.8	5.5 - 6.7 - 9.5	4.5 - 5.5 - 7.8	3.2 - 4.6 - 6.5
	1000	444	19 - 23 - 33	16 - 19 - 27	12 - 16 - 23	5.08	209.8	5.8 - 7.1 - 10.0	4.7 - 5.8 - 8.2	3.6 - 4.9 - 6.9
	1100	489	20 - 24 - 35	16 - 20 - 28	13 - 17 - 24	5.59	230.7	6.1 - 7.4 - 10.5	5.0 - 6.1 - 8.6	3.9 - 5.1 - 7.2
10" x 10"	300	208	5 - 12 - 23	4 - 10 - 19	2 - 5 - 13	1.52	98.3	1.7 - 3.7 - 6.9	1.3 - 2.9 - 5.6	0.6 - 1.4 - 4.0
	400	278	10 - 17 - 26	8 - 13 - 21	4 - 8 - 18	2.03	131.1	2.9 - 5.2 - 7.9	2.3 - 4.0 - 6.5	1.1 - 2.6 - 5.3
	500	347	14 - 21 - 29	11 - 16 - 24	6 - 11 - 20	2.54	163.9	4.3 - 6.3 - 8.9	3.3 - 5.0 - 7.3	1.8 - 3.3 - 6.1
	600	417	17 - 23 - 32	13 - 19 - 26	8 - 13 - 22	3.05	196.6	5.2 - 6.9 - 9.7	4.0 - 5.6 - 8.0	2.6 - 4.0 - 6.7
	700	486	20 - 24 - 35	15 - 20 - 28	10 - 15 - 24	3.56	229.4	6.0 - 7.4 - 10.5	4.6 - 6.1 - 8.6	3.1 - 4.7 - 7.2
	800	556	21 - 26 - 37	17 - 21 - 30	12 - 18 - 25	4.06	262.2	6.5 - 7.9 - 11.2	5.3 - 6.5 - 9.2	3.6 - 5.3 - 7.7
	900	625	23 - 28 - 39	19 - 23 - 32	13 - 19 - 27	4.57	295.0	6.9 - 8.4 - 11.9	5.6 - 6.9 - 9.7	4.0 - 5.8 - 8.2
	1000	694	24 - 29 - 41	20 - 24 - 34	15 - 20 - 28	5.08	327.7	7.2 - 8.9 - 12.5	5.9 - 7.3 - 10.3	4.4 - 6.1 - 8.6
	1100	764	25 - 31 - 43	20 - 25 - 35	16 - 21 - 30	5.59	360.5	7.6 - 9.3 - 13.2	6.2 - 7.6 - 10.8	4.9 - 6.4 - 9.0
12" x 12"	300	300	7 - 15 - 27	5 - 11 - 22	3 - 6 - 16	1.52	141.6	2.0 - 4.5 - 8.2	1.6 - 3.5 - 6.8	0.8 - 1.7 - 4.8
	400	400	12 - 20 - 31	9 - 16 - 26	4 - 10 - 21	2.03	188.8	3.5 - 6.2 - 9.5	2.8 - 4.8 - 7.8	1.4 - 3.1 - 6.4
	500	500	17 - 25 - 35	13 - 20 - 29	7 - 13 - 24	2.54	236.0	5.2 - 7.5 - 10.6	4.0 - 5.9 - 8.7	2.1 - 4.0 - 7.3
	600	600	20 - 27 - 38	16 - 22 - 31	10 - 16 - 26	3.05	283.2	6.2 - 8.2 - 11.7	4.8 - 6.8 - 9.5	3.1 - 4.8 - 8.0
	700	700	24 - 29 - 41	18 - 24 - 34	12 - 18 - 28	3.56	330.4	7.2 - 8.9 - 12.6	5.6 - 7.3 - 10.3	3.7 - 5.6 - 8.7
	800	800	26 - 31 - 44	21 - 26 - 36	14 - 21 - 30	4.06	377.6	7.8 - 9.5 - 13.5	6.3 - 7.8 - 11.0	4.3 - 6.4 - 9.3
	900	900	27 - 33 - 47	22 - 27 - 38	16 - 23 - 32	4.57	424.8	8.2 - 10.1 - 14.3	6.8 - 8.3 - 11.7	4.8 - 6.9 - 9.8
	1000	1000	29 - 35 - 50	23 - 29 - 41	18 - 24 - 34	5.08	471.9	8.7 - 10.6 - 15.1	7.1 - 8.7 - 12.3	5.3 - 7.3 - 10.3
	1100	1100	30 - 37 - 52	25 - 30 - 43	19 - 25 - 36	5.59	519.1	9.1 - 11.2 - 15.8	7.5 - 9.1 - 12.9	5.9 - 7.7 - 10.8
14" x 14"	300	408	8 - 17 - 32	6 - 13 - 26	3 - 7 - 18	1.52	192.7	2.3 - 5.2 - 9.6	1.8 - 4.1 - 7.9	0.9 - 2.0 - 5.6
	400	544	14 - 24 - 37	11 - 18 - 30	5 - 12 - 25	2.03	257.0	4.1 - 7.2 - 11.1	3.2 - 5.6 - 9.1	1.6 - 3.6 - 7.5
	500	681	20 - 29 - 41	15 - 23 - 33	8 - 15 - 28	2.54	321.2	6.0 - 8.8 - 12.4	4.6 - 6.9 - 10.2	2.5 - 4.7 - 8.5
	600	817	24 - 32 - 45	18 - 26 - 37	12 - 18 - 31	3.05	385.4	7.2 - 9.6 - 13.6	5.6 - 7.9 - 11.1	3.6 - 5.6 - 9.3
	700	953	28 - 34 - 48	21 - 28 - 40	14 - 21 - 33	3.56	449.7	8.5 - 10.4 - 14.7	6.5 - 8.5 - 12.0	4.4 - 6.5 - 10.1
	800	1089	30 - 37 - 52	24 - 30 - 42	16 - 25 - 36	4.06	513.9	9.1 - 11.1 - 15.7	7.4 - 9.1 - 12.9	5.0 - 7.5 - 10.8
	900	1225	32 - 39 - 55	26 - 32 - 45	18 - 27 - 38	4.57	578.1	9.6 - 11.8 - 16.7	7.9 - 9.6 - 13.6	5.6 - 8.1 - 11.4
	1000	1361	33 - 41 - 58	27 - 33 - 47	20 - 28 - 40	5.08	642.4	10.1 - 12.4 - 17.6	8.3 - 10.2 - 14.4	6.2 - 8.5 - 12.1
	1100	1497	35 - 43 - 61	29 - 35 - 50	23 - 29 - 42	5.59	706.6	10.6 - 13.0 - 18.4	8.7 - 10.7 - 15.1	6.8 - 8.9 - 12.7
16" x 16"	300	533	9 - 20 - 36	7 - 15 - 30	3 - 8 - 21	1.52	251.7	2.6 - 6.0 - 11.0	2.1 - 4.7 - 9.0	1.0 - 2.3 - 6.4
	400	711	15 - 27 - 42	12 - 21 - 34	6 - 13 - 28	2.03	335.6	4.7 - 8.3 - 12.7	3.7 - 6.3 - 10.4	1.8 - 4.1 - 8.5
	500	889	23 - 33 - 47	17 - 26 - 38	9 - 18 - 32	2.54	419.5	6.9 - 10.0 - 14.2	5.3 - 7.9 - 11.6	2.8 - 5.3 - 9.8
	600	1067	27 - 36 - 51	21 - 30 - 42	13 - 21 - 35	3.05	503.4	8.3 - 11.0 - 15.5	6.3 - 9.0 - 12.7	4.1 - 6.4 - 10.7
	700	1244	32 - 39 - 55	24 - 32 - 45	16 - 25 - 38	3.56	587.3	9.7 - 11.9 - 16.8	7.4 - 9.7 - 13.8	5.0 - 7.5 - 11.5
	800	1422	34 - 42 - 59	28 - 34 - 48	19 - 28 - 41	4.06	671.2	10.4 - 12.7 - 18.0	8.5 - 10.4 - 14.7	5.7 - 8.5 - 12.3
	900	1600	36 - 44 - 63	30 - 36 - 51	21 - 30 - 43	4.57	755.1	11.0 - 13.5 - 19.0	9.0 - 11.0 - 15.6	6.4 - 9.3 - 13.1
	1000	1778	38 - 47 - 66	31 - 38 - 54	23 - 32 - 45	5.08	839.0	11.6 - 14.2 - 20.1	9.5 - 11.6 - 16.4	7.1 - 9.8 - 13.8
	1100	1956	40 - 49 - 69	33 - 40 - 57	26 - 34 - 48	5.59	922.9	12.2 - 14.9 - 21.1	10.0 - 12.2 - 17.2	7.8 - 10.2 - 14.5
18" x 18"	300	675	10 - 22 - 41	8 - 17 - 33	4 - 8 - 24	1.52	318.6	3.0 - 6.7 - 12.4	2.3 - 5.2 - 10.1	1.1 - 2.6 - 7.2
	400	900	17 - 31 - 47	14 - 23 - 38	7 - 15 - 32	2.03	424.8	5.3 - 9.3 - 14.3	4.1 - 7.1 - 11.7	2.0 - 4.6 - 9.6
	500	1125	26 - 37 - 53	20 - 29 - 43	10 - 20 - 36	2.54	530.9	7.8 - 11.3 - 16.0	5.9 - 8.9 - 13.1	3.2 - 6.0 - 11.0
	600	1350	31 - 41 - 58	23 - 33 - 47	15 - 24 - 40	3.05	637.1	9.3 - 12.4 - 17.5	7.1 - 10.1 - 14.3	4.6 - 7.2 - 12.0
	700	1575	36 - 44 - 62	27 - 36 - 51	18 - 28 - 43	3.56	743.3	10.9 - 13.4 - 18.9	8.3 - 10.9 - 15.5	5.6 - 8.4 - 13.0
	800	1800	38 - 47 - 66	31 - 38 - 54	21 - 32 - 46	4.06	849.5	11.7 - 14.3 - 20.2	9.5 - 11.7 - 16.5	6.4 - 9.6 - 13.9
	900	2025	41 - 50 - 70	33 - 41 - 58	24 - 34 - 48	4.57	955.7	12.4 - 15.1 - 21.4	10.1 - 12.4 - 17.5	7.2 - 10.4 - 14.7
	1000	2250	43 - 53 - 74	35 - 43 - 61	26 - 36 - 51	5.08	1061.9	13.0 - 16.0 - 22.6	10.7 - 13.1 - 18.5	8.0 - 11.0 - 15.5
	1100	2475	45 - 55 - 78	37 - 45 - 64	29 - 38 - 54	5.59	1168.1	13.7 - 16.7 - 23.7	11.2 - 13.7 - 19.4	8.8 - 11.5 - 16.3

NOTE: See page C1-23 for notes.

6200, 56200, 6290F (Supply/Filter Frame Return) Suggested Specification & Configuration

1. SERIES: (XXXXX)
- 6200 - Square Neck, Steel Perforated Supply Diffuser with Backpan Mounted Adjustable Curved Blades
- 56200 - Square Neck, Aluminum Perforated Face, Steel Backpan Supply Diffuser with Backpan Mounted Adjustable Curved Blades
- 6290F - Square Neck, Steel Perforated Filter Frame Return

2. PATTERN: (XXX)
- 01 - 1-Way
- 02 - 2-Way
- 03 - 3-Way
- 04 - 4-Way
- 02C - 2-Way Corner
- 90F - Steel Filter Frame Return

3. DIM 1 x DIM 2: (XX)x(XX) *
- 6”x6”
- 8”x8”
- 10”x10”
- 12”x12”
- 14”x14”
- 16”x16”
- 20”x20” (6290F Only)

4. FRAME: (XXX) **
- F20 - Surface Mount
- F23 - Lay-in T-Bar
- F27 - Spline
- F30 - Drop Face
- F98 - Narrow-T

5. PANEL: (XX)x(XX)
- 12”x12”
- 16”x16”
- 12”x24”
- 20”x20”
- 24”x24”
- 24”x48”

6. ACCESSORIES: (XX)
- 00 - None
- IB - Insulated Backpan

7. FINISH: (XX)
- 01 - Mill
- 03 - Black Backpan with British White Face
- 10 - Alumican
- 35 - Black
- 44 - British White

** See chart on page C1-13 for available neck sizes.*
*** When specifying 6290F, neck dimensions must be 20”x20” with 24”x24” panel and frames F20, F23, or F30.*

6200, 56200
The perforated face supply diffuser shall be Krueger model 6200 (steel perforated face) or 56200 (aluminum perforated face). The diffusers shall have a perforated face with 3/16” diameter holes on 1/4” centers resulting in a 51% free area. The diffuser backpan shall be constructed of heavy gage steel and provide a square neck.

The diffuser shall have individually adjustable curved blade deflectors mounted at the neck of the diffuser. The curved blade deflectors shall allow vertical or 1, 2, 3, or 4-way horizontal projection of air in to the room. The perforated face must be easily removable from the backpan for access to the adjustable curved blades for adjustments and access to the damper.

Optional opposed-blade damper (OBD) shall be constructed of heavy gage steel. Damper shall be operable from the face of the diffuser.

6290F
The perforated face return diffuser shall be Krueger model 6290F (steel perforated face). The diffusers shall have a perforated face with 3/16” diameter holes on 1/4” centers resulting in a 51% free area. The diffuser backpan shall be constructed of heavy gage steel and provide a square or neck. The unit must be able to accept a 20”x20”x1” filter.

The return diffuser shall match the Krueger model 6200 (steel perforated face) supply diffuser in appearance. The perforated face must be easily removable from the backpan for access to the filter (by others).

Optional opposed-blade damper (OBD) shall be constructed of heavy gage steel. Damper shall be operable from the face of the diffuser.

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

SAMPLE CONFIGURATION: 6200 - 04 - 10x10 - F23 - 24x24 - 44