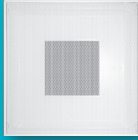




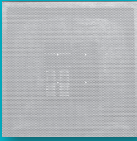

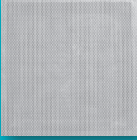



	<p>6100, 6150 56100, 56150 These perforated supply ceiling diffusers feature a neck mounted rotatable core with either a round or square neck. Aluminum or steel perforated face is available.</p>		<p>6490, 56490 These perforated ceiling returns feature a square neck. Aluminum or steel perforated face is available.</p>
	<p>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.</p>		<p>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.</p>
	<p>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.</p>		<p>6690, 56690 These perforated ceiling returns feature a round neck. Aluminum or steel perforated face is available.</p>
	<p>6300 This perforated supply, ceiling diffuser features face mounted deflectors and a prescored fiberglass backpan for field cutting. Available in steel construction only.</p>		<p>6790, 56790 These aluminum or steel perforated screen ceiling panels with no backpan are great for non-ducted return or exhaust applications.</p>
	<p>6390 This perforated return features a prescored fiberglass backpan for field cutting. Available in steel construction only.</p>		<p>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.</p>
	<p>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.</p>		<p>1190, 51190 These architectural, perforated, ceiling returns feature a square or rectangular neck. Available in steel or aluminum construction.</p>

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6150, 56150 (Supply)
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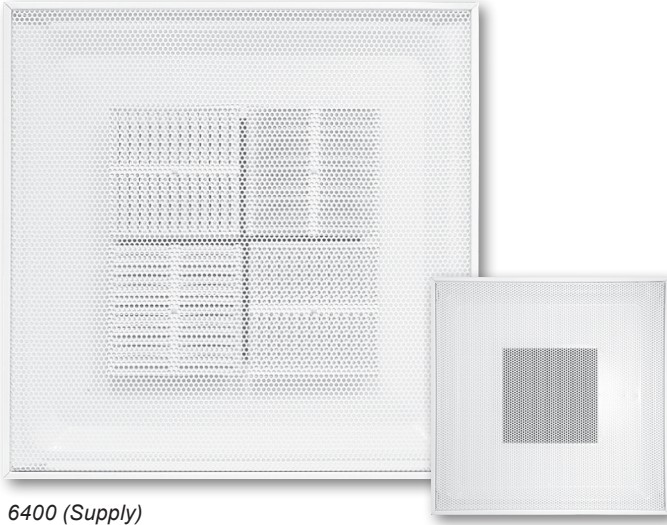
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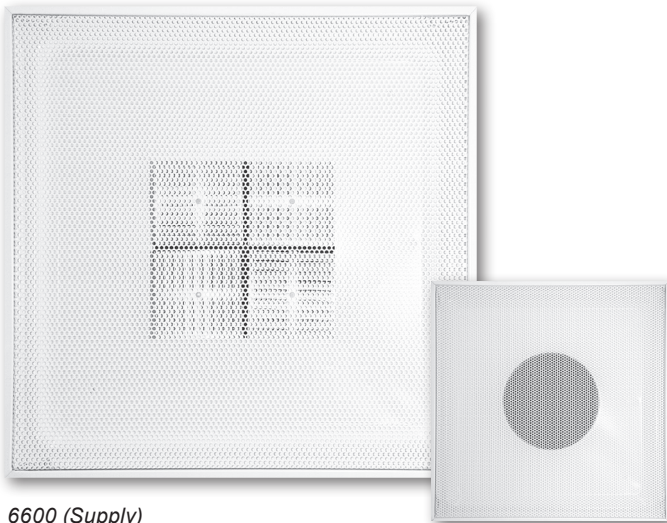
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6400 (Supply)

6490 (Return)



6600 (Supply)

6690 (Return)

Introduction: 6400, 6600 Series

The 6400/6600 series perforated diffusers uses modular air pattern controllers mounted to the backside of the perforated face, which are factory set for 4-way air pattern. They are field adjustable for 1, 2, or 3-way pattern or may be removed for down blow without reducing the core area. The 6400/6600 series diffusers exhibit typical isothermal throws of 12' to 17' for 4-way air distribution and 21' to 30' for 1-way air distribution. The modular capability makes the 6400/6600 ideal for installations with changing air pattern requirements such as tenant lease spaces. Matching returns are the 6490 and 6690 series.

MODELS

- 6400 - Steel, Square Neck Supply Diffuser
- 6490 - Steel, Square Neck Return Diffuser
- 56400 - Perforated Aluminum with Steel Backpan, Square Neck Supply Diffuser
- 56490 - Perforated Aluminum with Steel Backpan, Square Neck Return Diffuser
- 6400FR - Steel, Fire Rated, Square Neck Supply Diffuser
- 6600 - Steel, Round Neck Supply Diffuser
- 6690 - Steel, Round Neck Return Diffuser
- 56600 - Perforated Aluminum with Steel Backpan, Round Neck Supply Diffuser
- 56690 - Perforated Aluminum with Steel Backpan, Round Neck Return Diffuser
- 6600FR - Steel, Fire Rated, Round Neck Supply Diffuser

FEATURES

- Field adjustable 1, 2, 3, or 4-way blow patterns.
- Great choice for installations with changing air pattern requirements.
- Removable perforated face for easy cleaning.

PANEL SIZES

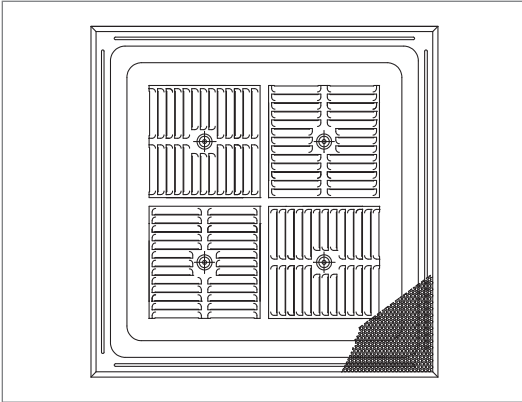
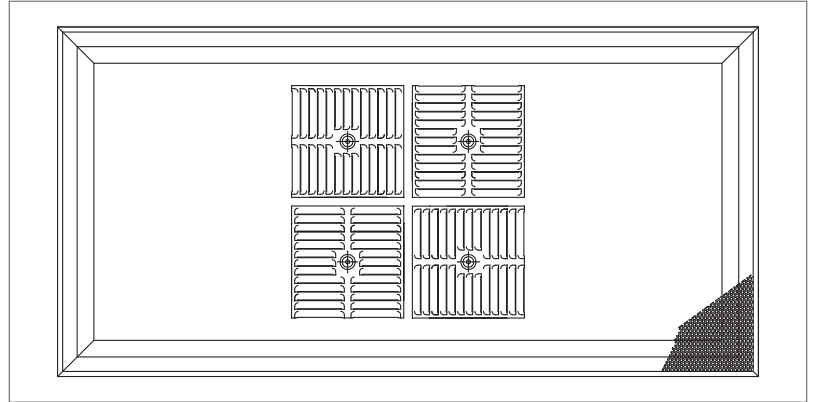
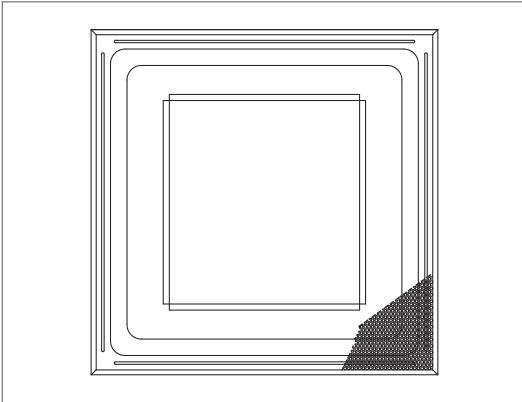
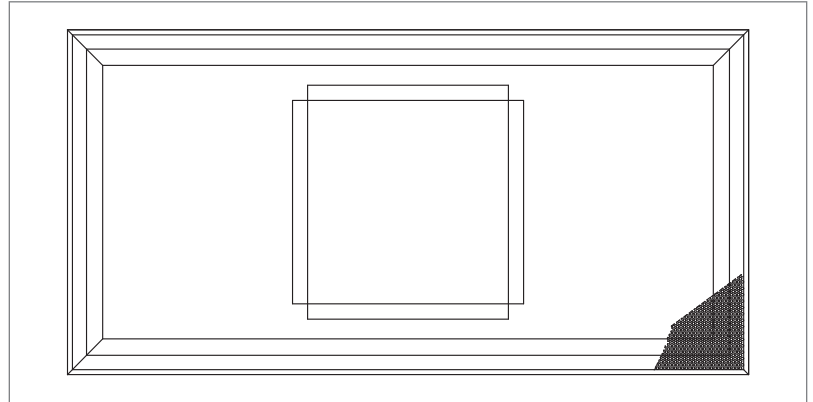
- 12"x12"
- 16"x16"
- 20"x20"
- 12"x24"
- 24"x24"
- 24"x48"

ACCESSORIES

- Optional Opposed Blade Damper (Model OBDFA)
- Optional Round Dampers
- Optional Insulated Backpan

FINISHES

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

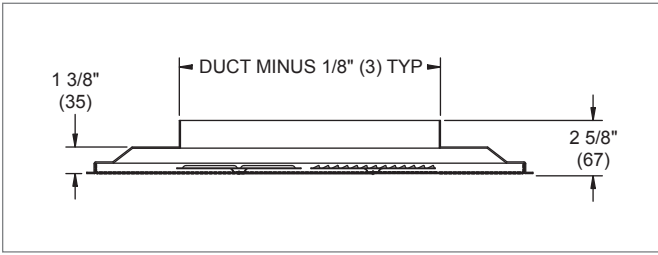
6400, 56400, 6490, 56490 (Supply/Return) Dimensional Information
**6400, 56400, FACE VIEW
(12"x12" & 24"x24" PANEL)**

**6400, 56400, FACE VIEW
(ALL OTHER PANELS)**

**6490, 56490, FACE VIEW
(12"x12" & 24"x24" PANEL)**

**6490, 56490, FACE VIEW
(ALL OTHER PANELS)**

6400, 56400, 6490, 56490, 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)	
	Steel	Alum.	Steel	Alum.	Steel	Alum.	Steel	Alum.	Steel	Alum.	Steel	Alum.
6" x 6" (152 x 152)	S/R	S/R	S/R	-	S/R	-	S/R	S/R	S/R	S/R	S/R	S/R
6" x 18" (152 x 457)	-	-	-	-	-	-	-	-	-	R	R	-
8" x 8" (203 x 203)	-	-	S/R	-	S/R	-	S/R	S/R	-	-	S/R	S/R
10" x 10" (254 x 254)	R	R	R	-	S/R	-	S/R	S/R	-	-	S/R	S/R
10" x 22" (254 x 559)	-	-	-	-	-	-	-	-	R	R	R	R
12" x 12" (305 x 305)	-	-	-	-	R	-	S/R	S/R	-	-	S/R	S/R
14" x 14" (356 x 356)	-	-	R	-	-	-	R	R	-	-	-	-
15" x 15" (381 x 381)	-	-	-	-	-	-	S/R	S/R	-	-	R	R
16" x 16" (406 x 406)	-	-	-	-	-	-	R	R	-	-	R	R
18" x 18" (457 x 457)	-	-	-	-	R	-	S/R	S/R	-	-	R	R
22" x 22" (559 x 559)	-	-	-	-	-	-	R	R	-	-	-	-
22" x 46" (559 x 1168)	-	-	-	-	-	-	-	-	-	-	R	R

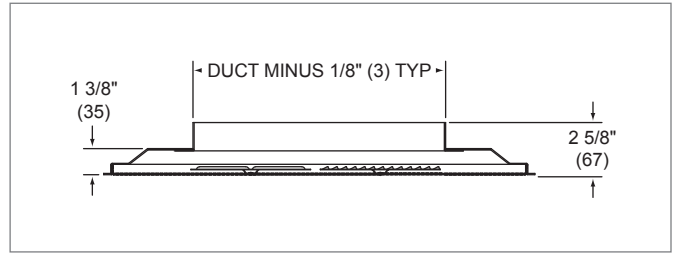
NOTES: Dimensions in parentheses are mm. "S" = Supply and "R" = Return. Dash in space indicates not applicable.

6400, 56400, 6490, 56490 (Supply/Return) Dimensional Information

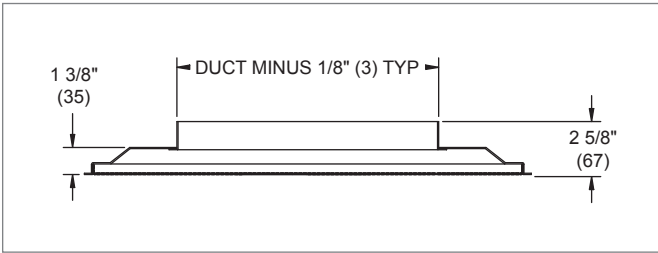
**6400, 56400, CROSS SECTION
(12"x12" & 24"x24" PANEL)**



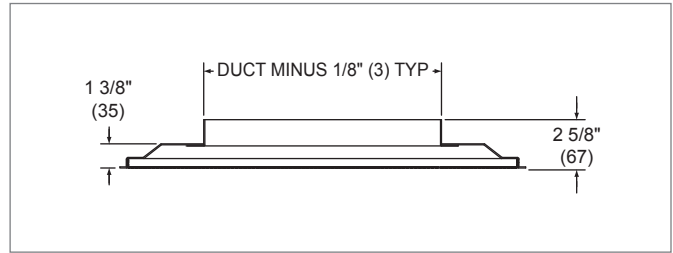
**6400, 56400*, CROSS SECTION
(ALL OTHER PANELS)**



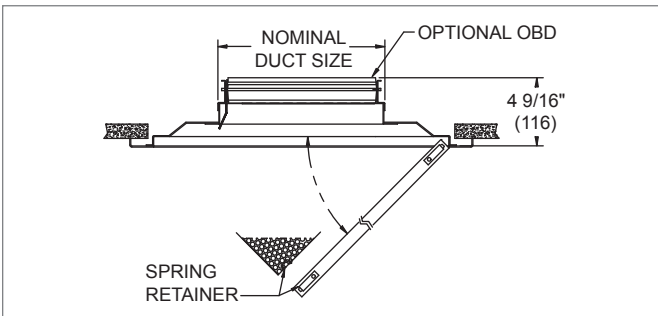
**6490, 56490, CROSS SECTION
(12"x12" & 24"x24" PANEL)**



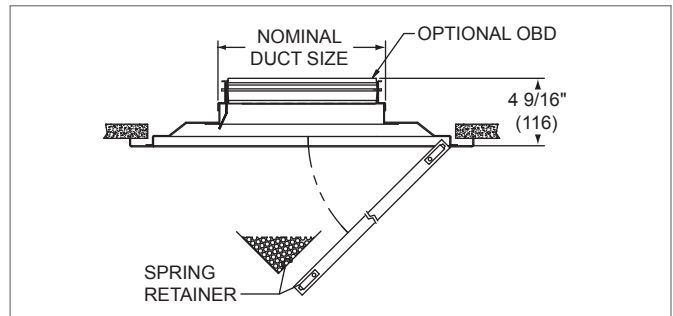
**6490, 56490*, CROSS SECTION
(ALL OTHER PANELS)**



**6400, 6490, 56400, 56490, HINGE DETAIL
(12"x12" & 24"x24" PANEL)**

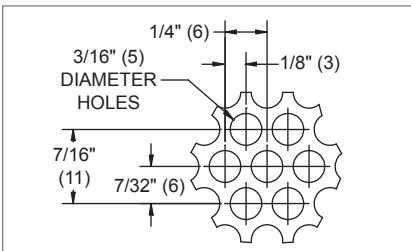


**6400, 6490, 56400*, 56490*, HINGE DETAIL
(ALL OTHER PANELS)**



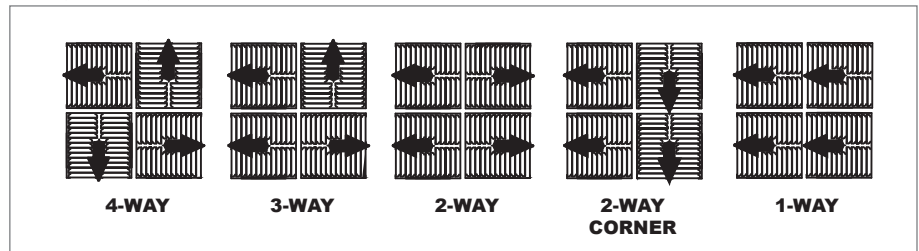
* 56400 and 56490 not available in 16"x16" and 20"x20" panels.

6400 SERIES, PERFORATION DETAIL



NOTE: Dimensions in parentheses are mm.

6400, 56400, DISCHARGE AIR PATTERNS

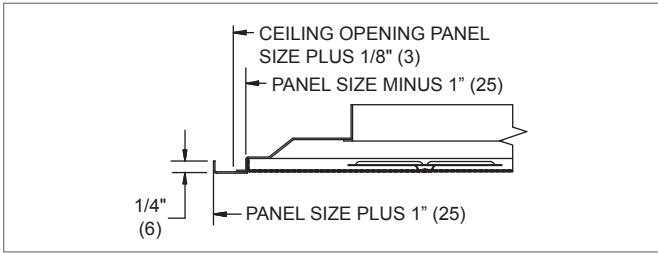


PERFORATED FACE DIFFUSERS

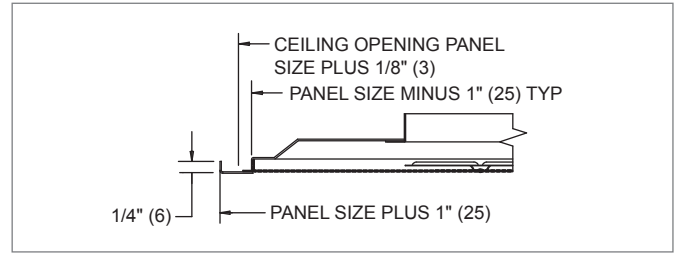
6400-6490

6400, 56400 (Supply) Frame Styles

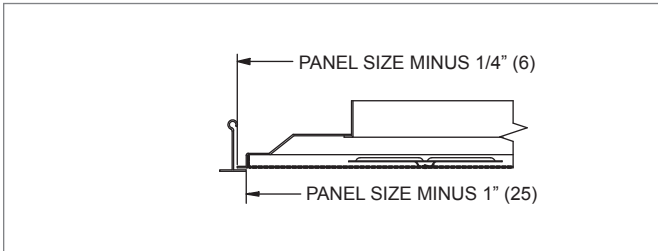
**6400, 56400, FRAME 20, SURFACE MOUNT
(12"x12" & 24"x24" PANEL)**



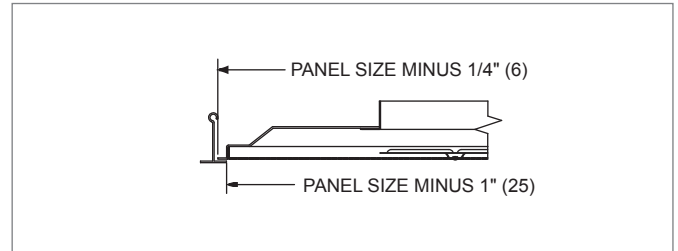
**6400, 56400*, FRAME 20, SURFACE MOUNT
(ALL OTHER PANELS)**



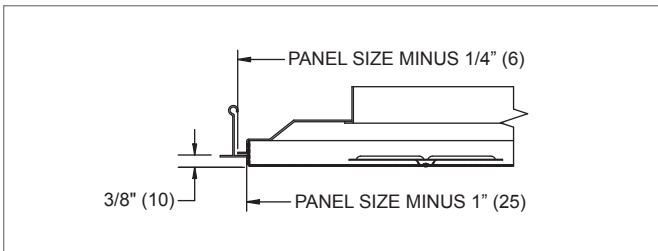
**6400, 56400, FRAME 23, LAY-IN T-BAR
(12"x12" & 24"x24" PANEL)**



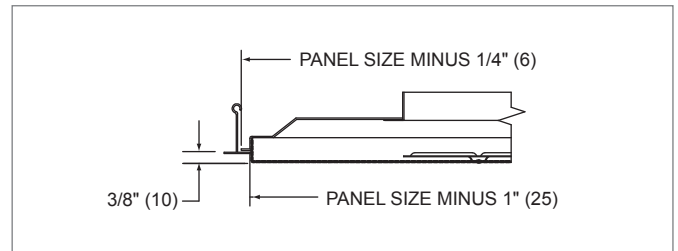
**6400, 56400*, FRAME 23, LAY-IN T-BAR
(ALL OTHER PANELS)**



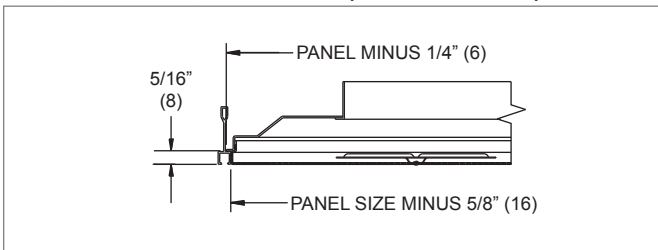
**6400, FRAME 30, DROP FACE
(12"x12" & 24"x24" PANEL)**



**6400, 56400*, FRAME 30, DROP FACE
(ALL OTHER PANELS)**



6400, FRAME 98, NARROW-T (24"x24" PANEL)



* 56400 not available in 16"x16" and 20"x20" panels.

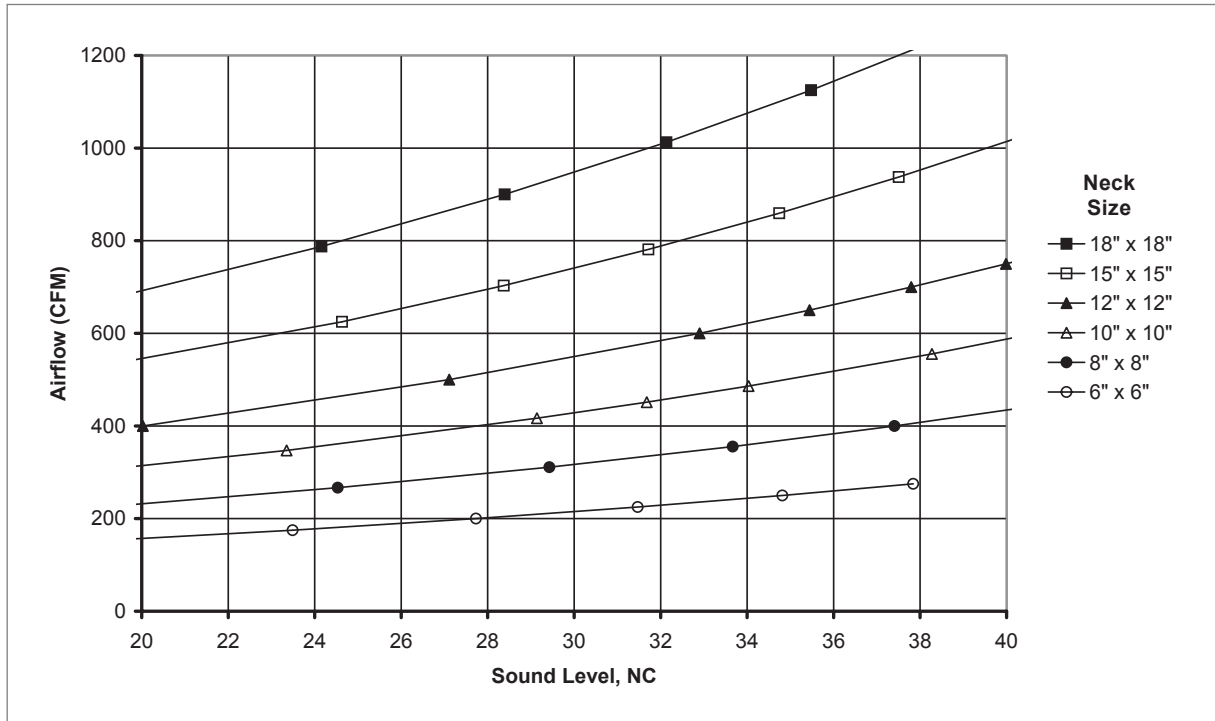
NOTE: Dimensions in parentheses are mm.

PERFORATED FACE DIFFUSERS

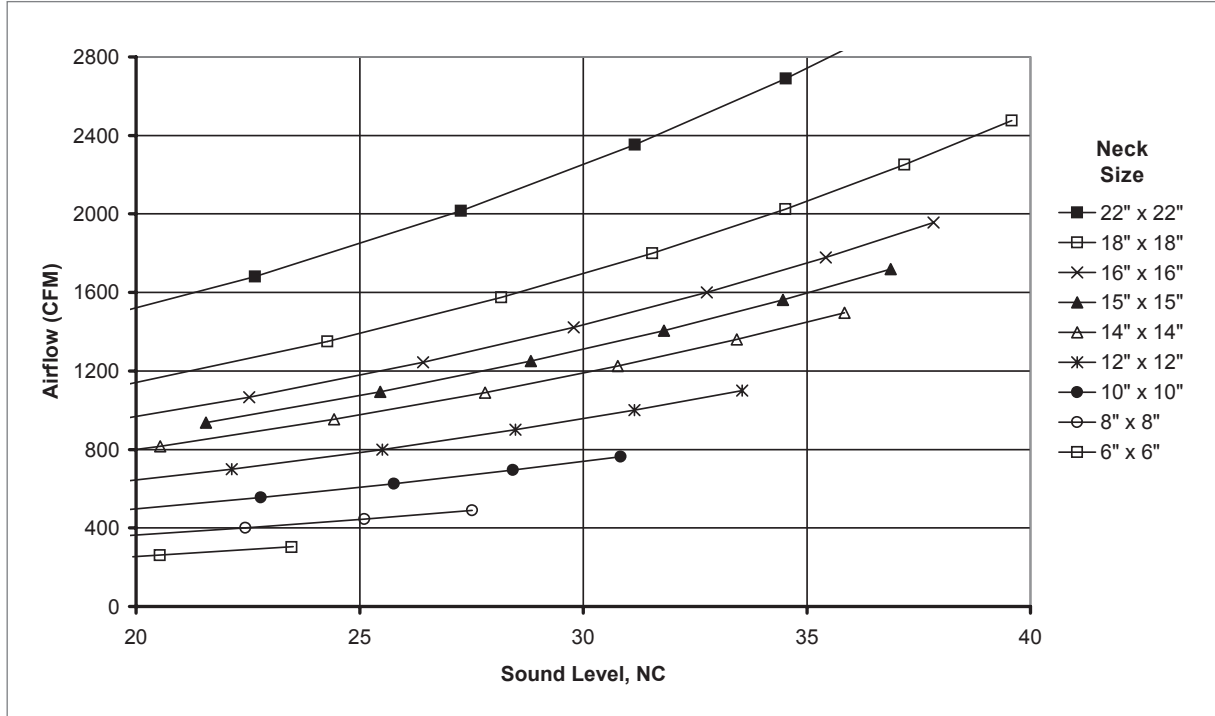
6
4
0
0
-
5
6
4
0
0

6400, 56400, 6490, 56490 (Supply/Return) Reference Charts

AIRFLOW VS. NC LEVEL: 6400, 56400, 24"x24" PANEL (NO DAMPER)

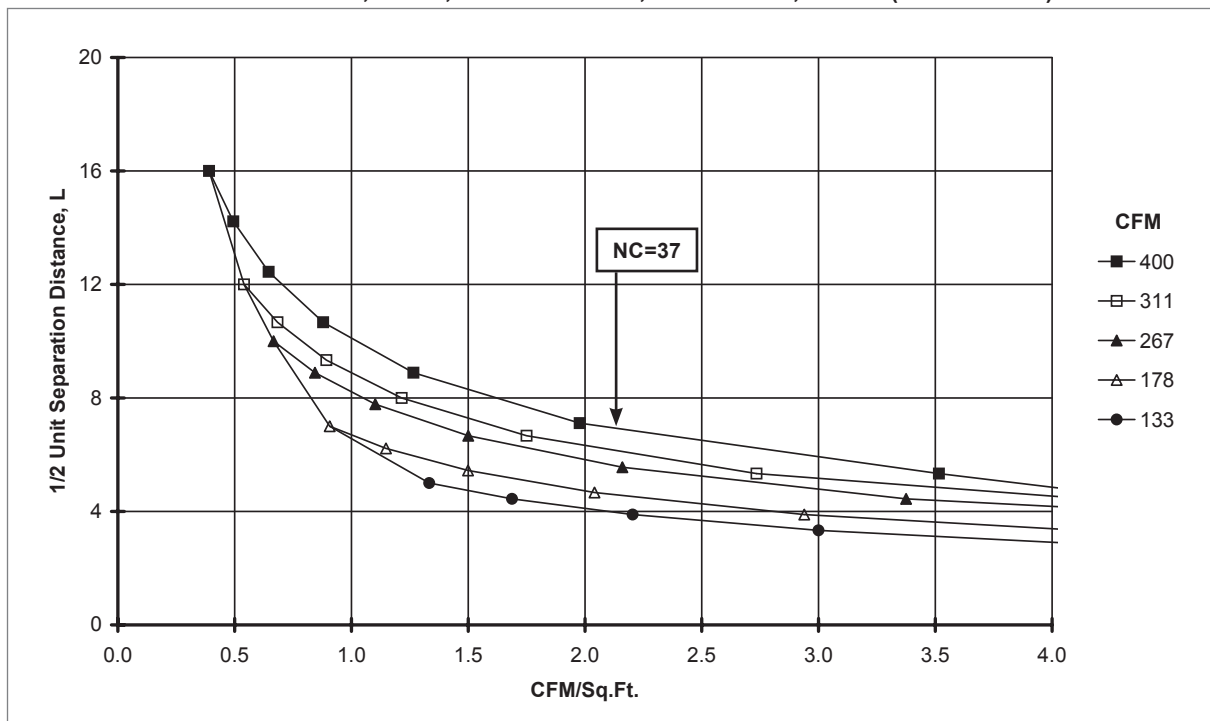
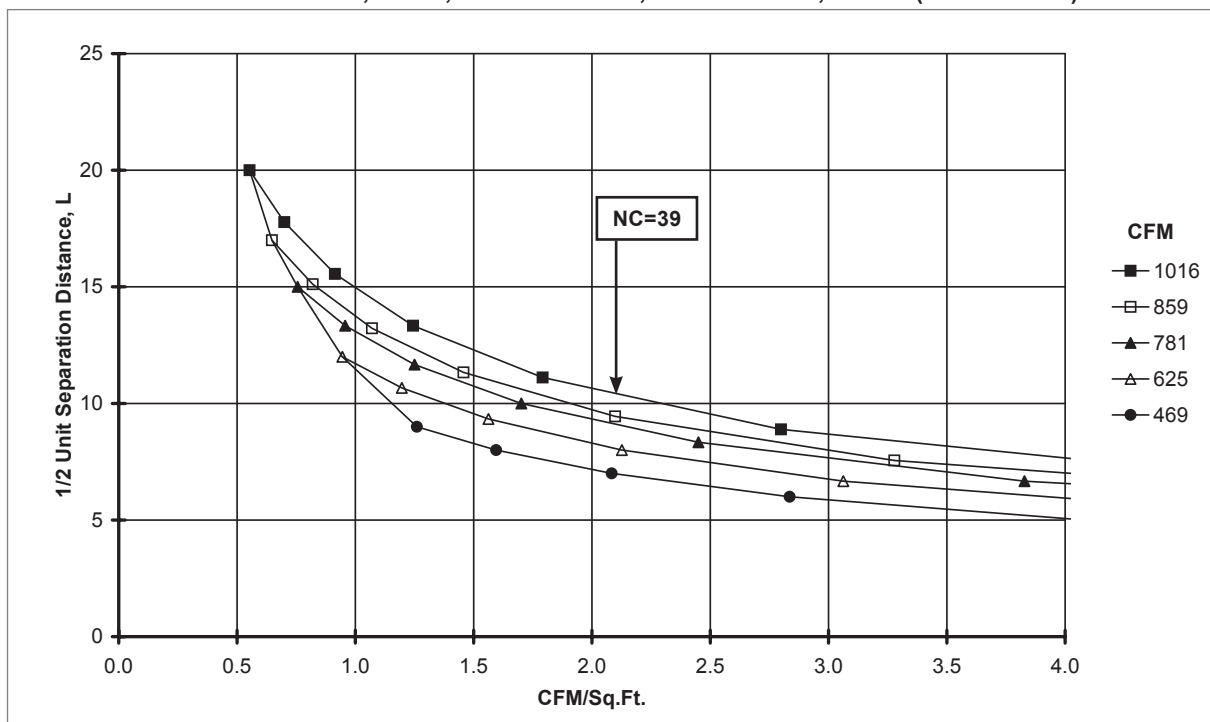


AIRFLOW VS. NC LEVEL: 6490, 56490, 24"x24" PANEL (NO DAMPER)



PERFORATED FACE DIFFUSERS

6400 - 56400

6400, 56400 (Supply) Reference Charts
SPACING FOR 80% ADPI: 6400, 56400, 24"x24" PANEL, 8"x8" NECK, 4-WAY (NO DAMPER)

SPACING FOR 80% ADPI: 6400, 56400, 24"x24" PANEL, 15"x15" 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.

6400, 56400 (Supply) Performance Data: Horizontal Throw

IP/METRIC DATA: 6400, 56400, 12"x12" PANEL, 4-WAY (NO DAMPER)

	IP Data					NC	Metric Data					Octave Band, dB						
	Neck Vel	Air Flow	Ps	Pt	4-Way Throw		Neck Vel	Air Flow	Ps	Pt	4-Way Throw							
	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	0.017	1 - 2 - 4	-	1.52	35	2.7	4.1	0.2 - 0.5 - 1.2	-	-	-	-	-	-	
	400	100	0.019	0.029	1 - 3 - 5	-	2.03	47	4.8	7.3	0.4 - 0.8 - 1.6	13	17	19	16	11	-	
	500	125	0.030	0.046	2 - 3 - 7	13	2.54	59	7.6	11.4	0.7 - 1.0 - 2.0	20	24	26	23	18	13	
	600	150	0.044	0.066	3 - 4 - 8	19	3.05	71	10.9	16.5	0.8 - 1.2 - 2.4	26	30	32	29	24	19	
	700	175	0.060	0.090	3 - 5 - 9	23	3.56	83	14.8	22.4	0.9 - 1.4 - 2.8	30	34	36	33	28	23	
	800	200	0.078	0.118	3 - 5 - 10	28	4.06	94	19.4	29.3	1.1 - 1.6 - 3.2	35	39	41	38	33	28	
	900	225	0.098	0.149	4 - 6 - 12	31	4.57	106	24.5	37.1	1.2 - 1.8 - 3.5	38	42	44	41	36	31	
	1000	250	0.122	0.184	4 - 7 - 12	35	5.08	118	30.3	45.8	1.3 - 2.0 - 3.7	42	46	48	45	40	35	
	1100	275	0.147	0.223	5 - 7 - 13	38	5.59	83	36.6	22.4	1.4 - 2.2 - 3.9	45	49	51	48	43	38	

IP/METRIC DATA: 6400, 56400, 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	1 - 2 - 8	1 - 2 - 6	1 - 3 - 5	1.52	35	0.3 - 0.7 - 2.5	0.3 - 0.7 - 1.8	0.4 - 0.8 - 1.6
	400	100	2 - 4 - 11	2 - 4 - 8	2 - 3 - 7	2.03	47	0.5 - 1.2 - 3.3	0.5 - 1.2 - 2.4	0.6 - 1.0 - 2.1
	500	125	3 - 6 - 14	3 - 5 - 10	3 - 4 - 9	2.54	59	0.8 - 1.9 - 4.2	0.8 - 1.5 - 3.0	0.9 - 1.3 - 2.6
	600	150	4 - 8 - 17	4 - 6 - 12	3 - 5 - 10	3.05	71	1.2 - 2.5 - 5.0	1.2 - 1.8 - 3.6	1.0 - 1.6 - 3.1
	700	175	5 - 10 - 19	5 - 7 - 14	4 - 6 - 12	3.56	83	1.7 - 2.9 - 5.7	1.4 - 2.1 - 4.3	1.2 - 1.8 - 3.6
	800	200	7 - 11 - 20	5 - 8 - 16	5 - 7 - 14	4.06	94	2.2 - 3.3 - 6.1	1.6 - 2.4 - 4.9	1.4 - 2.1 - 4.1
	900	225	8 - 12 - 21	6 - 9 - 18	5 - 8 - 15	4.57	106	2.5 - 3.8 - 6.4	1.8 - 2.7 - 5.5	1.6 - 2.3 - 4.5
	1000	250	9 - 14 - 22	7 - 10 - 19	6 - 9 - 16	5.08	118	2.8 - 4.2 - 6.8	2.0 - 3.0 - 5.8	1.7 - 2.6 - 4.8
	1100	275	10 - 15 - 23	7 - 11 - 20	6 - 9 - 16	5.59	130	3.1 - 4.6 - 7.1	2.2 - 3.3 - 6.1	1.9 - 2.8 - 5.0

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.

PERFORATED FACE DIFFUSERS

6400 - 56400

6400 (Supply) Performance Data: Horizontal Throw
IP/METRIC DATA: 6400, 16"x16" PANEL, 4-WAY (NO DAMPER)

	IP Data					NC	Metric Data					Octave Band, dB						
	Neck Vel	Air Flow	Ps	Pt	4-Way Throw		Neck Vel	Air Flow	Ps	Pt	4-Way Throw							
	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	0.017	1 - 2 - 4	-	1.52	35	2.7	4.1	0.2 - 0.5 - 1.2	-	-	-	-	-	-	
	400	100	0.019	0.029	1 - 3 - 5	-	2.03	47	4.8	7.3	0.4 - 0.8 - 1.6	13	17	19	16	11	-	
	500	125	0.030	0.046	2 - 3 - 7	13	2.54	59	7.6	11.4	0.7 - 1.0 - 2.0	20	24	26	23	18	13	
	600	150	0.044	0.066	3 - 4 - 8	19	3.05	71	10.9	16.5	0.8 - 1.2 - 2.4	26	30	32	29	24	19	
	700	175	0.060	0.090	3 - 5 - 9	23	3.56	83	14.8	22.4	0.9 - 1.4 - 2.8	30	34	36	33	28	23	
	800	200	0.078	0.118	3 - 5 - 10	28	4.06	94	19.4	29.3	1.1 - 1.6 - 3.2	35	39	41	38	33	28	
	900	225	0.098	0.149	4 - 6 - 12	31	4.57	106	24.5	37.1	1.2 - 1.8 - 3.5	38	42	44	41	36	31	
	1000	250	0.122	0.184	4 - 7 - 12	35	5.08	118	30.3	45.8	1.3 - 2.0 - 3.7	42	46	48	45	40	35	
	1100	275	0.147	0.223	5 - 7 - 13	38	5.59	130	36.6	55.4	1.4 - 2.2 - 3.9	45	49	51	48	43	38	
8" x 8"	200	89	0.006	0.008	0 - 1 - 3	-	1.02	42	1.5	2.1	0.1 - 0.3 - 1.1	-	-	-	-	-	-	
	300	133	0.013	0.019	1 - 2 - 5	-	1.52	63	3.3	4.7	0.3 - 0.7 - 1.6	10	14	16	13	8	-	
	400	178	0.024	0.034	2 - 3 - 7	12	2.03	84	5.9	8.4	0.6 - 1.1 - 2.1	19	23	25	22	17	12	
	500	222	0.037	0.052	3 - 4 - 9	19	2.54	105	9.2	13.0	0.9 - 1.3 - 2.6	26	30	32	29	24	19	
	600	267	0.053	0.075	3 - 5 - 10	25	3.05	126	13.2	18.8	1.1 - 1.6 - 3.2	32	36	38	35	30	25	
	700	311	0.072	0.103	4 - 6 - 12	29	3.56	147	18.0	25.6	1.2 - 1.8 - 3.7	36	40	42	39	34	29	
	800	356	0.094	0.134	5 - 7 - 14	34	4.06	168	23.5	33.4	1.4 - 2.1 - 4.2	41	45	47	44	39	34	
	900	400	0.119	0.170	5 - 8 - 16	37	4.57	189	29.7	42.3	1.6 - 2.4 - 4.7	44	48	50	47	42	37	
	1000	444	0.147	0.210	6 - 9 - 16	41	5.08	210	36.7	52.2	1.8 - 2.6 - 5.0	48	52	54	51	46	41	

IP/METRIC DATA: 6400, 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	1 - 2 - 8	1 - 2 - 6	1 - 3 - 5	1.52	35	0.3 - 0.7 - 2.5	0.3 - 0.7 - 1.8	0.4 - 0.8 - 1.6
	400	100	2 - 4 - 11	2 - 4 - 8	2 - 3 - 7	2.03	47	0.5 - 1.2 - 3.3	0.5 - 1.2 - 2.4	0.6 - 1.0 - 2.1
	500	125	3 - 6 - 14	3 - 5 - 10	3 - 4 - 9	2.54	59	0.8 - 1.9 - 4.2	0.8 - 1.5 - 3.0	0.9 - 1.3 - 2.6
	600	150	4 - 8 - 17	4 - 6 - 12	3 - 5 - 10	3.05	71	1.2 - 2.5 - 5.0	1.2 - 1.8 - 3.6	1.0 - 1.6 - 3.1
	700	175	5 - 10 - 19	5 - 7 - 14	4 - 6 - 12	3.56	83	1.7 - 2.9 - 5.7	1.4 - 2.1 - 4.3	1.2 - 1.8 - 3.6
	800	200	7 - 11 - 20	5 - 8 - 16	5 - 7 - 14	4.06	94	2.2 - 3.3 - 6.1	1.6 - 2.4 - 4.9	1.4 - 2.1 - 4.1
	900	225	8 - 12 - 21	6 - 9 - 18	5 - 8 - 15	4.57	106	2.5 - 3.8 - 6.4	1.8 - 2.7 - 5.5	1.6 - 2.3 - 4.5
	1000	250	9 - 14 - 22	7 - 10 - 19	6 - 9 - 16	5.08	118	2.8 - 4.2 - 6.8	2.0 - 3.0 - 5.8	1.7 - 2.6 - 4.8
	1100	275	10 - 15 - 23	7 - 11 - 20	6 - 9 - 16	5.59	130	3.1 - 4.6 - 7.1	2.2 - 3.3 - 6.1	1.9 - 2.8 - 5.0
8" x 8"	200	89	1 - 1 - 5	1 - 1 - 5	1 - 2 - 5	1.02	42	0.2 - 0.4 - 1.6	0.2 - 0.4 - 1.6	0.2 - 0.5 - 1.4
	300	133	1 - 3 - 11	1 - 3 - 8	2 - 3 - 7	1.52	63	0.4 - 0.9 - 3.3	0.4 - 0.9 - 2.4	0.5 - 1.0 - 2.1
	400	178	2 - 5 - 15	2 - 5 - 11	3 - 5 - 9	2.03	84	0.7 - 1.6 - 4.5	0.7 - 1.6 - 3.2	0.9 - 1.4 - 2.8
	500	222	4 - 8 - 18	4 - 7 - 13	4 - 6 - 11	2.54	105	1.1 - 2.5 - 5.6	1.1 - 2.0 - 4.1	1.1 - 1.7 - 3.4
	600	267	5 - 11 - 22	5 - 8 - 16	5 - 7 - 14	3.05	126	1.6 - 3.3 - 6.7	1.6 - 2.4 - 4.9	1.4 - 2.1 - 4.1
	700	311	7 - 13 - 25	6 - 9 - 19	5 - 8 - 16	3.56	147	2.2 - 3.9 - 7.6	1.9 - 2.8 - 5.7	1.6 - 2.4 - 4.8
	800	356	9 - 15 - 27	7 - 11 - 21	6 - 9 - 18	4.06	168	2.9 - 4.5 - 8.1	2.2 - 3.2 - 6.5	1.8 - 2.8 - 5.5
	900	400	11 - 17 - 28	8 - 12 - 24	7 - 10 - 20	4.57	189	3.3 - 5.0 - 8.6	2.4 - 3.6 - 7.3	2.1 - 3.1 - 6.0
	1000	444	12 - 18 - 30	9 - 13 - 25	8 - 11 - 21	5.08	210	3.7 - 5.6 - 9.1	2.7 - 4.1 - 7.7	2.3 - 3.4 - 6.3

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. 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.

6400 (Supply) Performance Data: Horizontal Throw

IP/METRIC DATA: 6400, 20"x20" PANEL, 4-WAY (NO DAMPER)

	IP Data					NC	Metric Data					Octave Band, dB						
	Neck Vel	Air Flow	Ps	Pt	4-Way Throw		Neck Vel	Air Flow	Ps	Pt	4-Way Throw							
	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	0.017	1 - 2 - 4	-	1.52	35	2.7	4.1	0.2 - 0.5 - 1.2	-	-	-	-	-	-	
	400	100	0.019	0.029	1 - 3 - 5	-	2.03	47	4.8	7.3	0.4 - 0.8 - 1.6	13	17	19	16	11	-	
	500	125	0.030	0.046	2 - 3 - 7	13	2.54	59	7.6	11.4	0.7 - 1.0 - 2.0	20	24	26	23	18	13	
	600	150	0.044	0.066	3 - 4 - 8	19	3.05	71	10.9	16.5	0.8 - 1.2 - 2.4	26	30	32	29	24	19	
	700	175	0.060	0.090	3 - 5 - 9	23	3.56	83	14.8	22.4	0.9 - 1.4 - 2.8	30	34	36	33	28	23	
	800	200	0.078	0.118	3 - 5 - 10	28	4.06	94	19.4	29.3	1.1 - 1.6 - 3.2	35	39	41	38	33	28	
	900	225	0.098	0.149	4 - 6 - 12	31	4.57	106	24.5	37.1	1.2 - 1.8 - 3.5	38	42	44	41	36	31	
	1000	250	0.122	0.184	4 - 7 - 12	35	5.08	118	30.3	45.8	1.3 - 2.0 - 3.7	42	46	48	45	40	35	
	1100	275	0.147	0.223	5 - 7 - 13	38	5.59	130	36.6	55.4	1.4 - 2.2 - 3.9	45	49	51	48	43	38	
8" x 8"	200	89	0.006	0.008	0 - 1 - 3	-	1.02	42	1.5	2.1	0.1 - 0.3 - 1.1	-	-	-	-	-	-	
	300	133	0.013	0.019	1 - 2 - 5	-	1.52	63	3.3	4.7	0.3 - 0.7 - 1.6	10	14	16	13	8	-	
	400	178	0.024	0.034	2 - 3 - 7	12	2.03	84	5.9	8.4	0.6 - 1.1 - 2.1	19	23	25	22	17	12	
	500	222	0.037	0.052	3 - 4 - 9	19	2.54	105	9.2	13.0	0.9 - 1.3 - 2.6	26	30	32	29	24	19	
	600	267	0.053	0.075	3 - 5 - 10	25	3.05	126	13.2	18.8	1.1 - 1.6 - 3.2	32	36	38	35	30	25	
	700	311	0.072	0.103	4 - 6 - 12	29	3.56	147	18.0	25.6	1.2 - 1.8 - 3.7	36	40	42	39	34	29	
	800	356	0.094	0.134	5 - 7 - 14	34	4.06	168	23.5	33.4	1.4 - 2.1 - 4.2	41	45	47	44	39	34	
	900	400	0.119	0.170	5 - 8 - 16	37	4.57	189	29.7	42.3	1.6 - 2.4 - 4.7	44	48	50	47	42	37	
	1000	444	0.147	0.210	6 - 9 - 16	41	5.08	210	36.7	52.2	1.8 - 2.6 - 5.0	48	52	54	51	46	41	
10" x 10"	200	139	0.007	0.010	1 - 1 - 4	-	1.02	66	1.8	2.4	0.2 - 0.4 - 1.3	-	-	-	-	-	-	
	300	208	0.016	0.022	1 - 3 - 7	-	1.52	98	4.0	5.4	0.4 - 0.9 - 2.0	14	18	20	17	12	-	
	400	278	0.029	0.039	2 - 4 - 9	16	2.03	131	7.2	9.7	0.7 - 1.3 - 2.6	23	27	29	26	21	16	
	500	347	0.045	0.061	4 - 5 - 11	23	2.54	164	11.2	15.1	1.1 - 1.6 - 3.3	30	34	36	33	28	23	
	600	417	0.065	0.087	4 - 7 - 13	29	3.05	197	16.2	21.8	1.3 - 2.0 - 4.0	36	40	42	39	34	29	
	650	451	0.076	0.103	5 - 7 - 14	32	3.30	213	19.0	25.5	1.4 - 2.1 - 4.3	39	43	45	42	37	32	
	700	486	0.088	0.119	5 - 8 - 15	34	3.56	229	22.0	29.6	1.5 - 2.3 - 4.6	41	45	47	44	39	34	
	800	556	0.115	0.155	6 - 9 - 17	38	4.06	262	28.7	38.7	1.8 - 2.6 - 5.3	45	49	51	48	43	38	
	900	625	0.146	0.197	7 - 10 - 19	42	4.57	295	36.4	48.9	2.0 - 3.0 - 5.9	49	53	55	52	47	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.

PERFORATED FACE DIFFUSERS

6400 (Supply) Performance Data: Horizontal Throw

IP/METRIC DATA: 6400, 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	1 - 2 - 8	1 - 2 - 6	1 - 3 - 5	1.52	35	0.3 - 0.7 - 2.5	0.3 - 0.7 - 1.8	0.4 - 0.8 - 1.6
	400	100	2 - 4 - 11	2 - 4 - 8	2 - 3 - 7	2.03	47	0.5 - 1.2 - 3.3	0.5 - 1.2 - 2.4	0.6 - 1.0 - 2.1
	500	125	3 - 6 - 14	3 - 5 - 10	3 - 4 - 9	2.54	59	0.8 - 1.9 - 4.2	0.8 - 1.5 - 3.0	0.9 - 1.3 - 2.6
	600	150	4 - 8 - 17	4 - 6 - 12	3 - 5 - 10	3.05	71	1.2 - 2.5 - 5.0	1.2 - 1.8 - 3.6	1.0 - 1.6 - 3.1
	700	175	5 - 10 - 19	5 - 7 - 14	4 - 6 - 12	3.56	83	1.7 - 2.9 - 5.7	1.4 - 2.1 - 4.3	1.2 - 1.8 - 3.6
	800	200	7 - 11 - 20	5 - 8 - 16	5 - 7 - 14	4.06	94	2.2 - 3.3 - 6.1	1.6 - 2.4 - 4.9	1.4 - 2.1 - 4.1
	900	225	8 - 12 - 21	6 - 9 - 18	5 - 8 - 15	4.57	106	2.5 - 3.8 - 6.4	1.8 - 2.7 - 5.5	1.6 - 2.3 - 4.5
	1000	250	9 - 14 - 22	7 - 10 - 19	6 - 9 - 16	5.08	118	2.8 - 4.2 - 6.8	2.0 - 3.0 - 5.8	1.7 - 2.6 - 4.8
	1100	275	10 - 15 - 23	7 - 11 - 20	6 - 9 - 16	5.59	130	3.1 - 4.6 - 7.1	2.2 - 3.3 - 6.1	1.9 - 2.8 - 5.0
8" x 8"	200	89	1 - 1 - 5	1 - 1 - 5	1 - 2 - 5	1.02	42	0.2 - 0.4 - 1.6	0.2 - 0.4 - 1.6	0.2 - 0.5 - 1.4
	300	133	1 - 3 - 11	1 - 3 - 8	2 - 3 - 7	1.52	63	0.4 - 0.9 - 3.3	0.4 - 0.9 - 2.4	0.5 - 1.0 - 2.1
	400	178	2 - 5 - 15	2 - 5 - 11	3 - 5 - 9	2.03	84	0.7 - 1.6 - 4.5	0.7 - 1.6 - 3.2	0.9 - 1.4 - 2.8
	500	222	4 - 8 - 18	4 - 7 - 13	4 - 6 - 11	2.54	105	1.1 - 2.5 - 5.6	1.1 - 2.0 - 4.1	1.1 - 1.7 - 3.4
	600	267	5 - 11 - 22	5 - 8 - 16	5 - 7 - 14	3.05	126	1.6 - 3.3 - 6.7	1.6 - 2.4 - 4.9	1.4 - 2.1 - 4.1
	700	311	7 - 13 - 25	6 - 9 - 19	5 - 8 - 16	3.56	147	2.2 - 3.9 - 7.6	1.9 - 2.8 - 5.7	1.6 - 2.4 - 4.8
	800	356	9 - 15 - 27	7 - 11 - 21	6 - 9 - 18	4.06	168	2.9 - 4.5 - 8.1	2.2 - 3.2 - 6.5	1.8 - 2.8 - 5.5
	900	400	11 - 17 - 28	8 - 12 - 24	7 - 10 - 20	4.57	189	3.3 - 5.0 - 8.6	2.4 - 3.6 - 7.3	2.1 - 3.1 - 6.0
	1000	444	12 - 18 - 30	9 - 13 - 25	8 - 11 - 21	5.08	210	3.7 - 5.6 - 9.1	2.7 - 4.1 - 7.7	2.3 - 3.4 - 6.3
10" x 10"	200	139	1 - 2 - 7	1 - 2 - 7	1 - 2 - 6	1.02	66	0.2 - 0.5 - 2.0	0.2 - 0.5 - 2.0	0.3 - 0.6 - 1.7
	300	208	2 - 4 - 14	2 - 4 - 10	2 - 4 - 9	1.52	98	0.5 - 1.1 - 4.2	0.5 - 1.1 - 3.0	0.6 - 1.3 - 2.6
	400	278	3 - 7 - 18	3 - 7 - 13	4 - 6 - 11	2.03	131	0.9 - 2.0 - 5.6	0.9 - 2.0 - 4.1	1.1 - 1.7 - 3.4
	500	347	5 - 10 - 23	5 - 8 - 17	5 - 7 - 14	2.54	164	1.4 - 3.2 - 7.0	1.4 - 2.5 - 5.1	1.4 - 2.2 - 4.3
	600	417	7 - 14 - 28	7 - 10 - 20	6 - 9 - 17	3.05	197	2.0 - 4.2 - 8.4	2.0 - 3.0 - 6.1	1.7 - 2.6 - 5.2
	650	451	8 - 15 - 30	7 - 11 - 22	6 - 9 - 18	3.30	213	2.4 - 4.5 - 9.1	2.2 - 3.3 - 6.6	1.9 - 2.8 - 5.6
	700	486	9 - 16 - 31	8 - 12 - 23	7 - 10 - 20	3.56	229	2.8 - 4.9 - 9.5	2.4 - 3.5 - 7.1	2.0 - 3.0 - 6.0
	800	556	12 - 18 - 33	9 - 13 - 27	8 - 11 - 23	4.06	262	3.6 - 5.6 - 10.1	2.7 - 4.1 - 8.1	2.3 - 3.4 - 6.9
	900	625	14 - 21 - 35	10 - 15 - 30	9 - 13 - 25	4.57	295	4.2 - 6.3 - 10.7	3.0 - 4.6 - 9.1	2.6 - 3.9 - 7.5

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.

6400, 56400 (Supply) Performance Data: Horizontal Throw

IP/METRIC DATA: 6400, 56400, 24"x24" PANEL, 4-WAY (NO DAMPER)

	IP Data					NC	Metric Data					Octave Band, dB						
	Neck Vel	Air Flow	Ps	Pt	4-Way Throw		Neck Vel	Air Flow	Ps	Pt	4-Way Throw							
	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	0.017	1 - 2 - 4	-	1.52	35	2.7	4.1	0.2 - 0.5 - 1.2	-	-	-	-	-	-	
	400	100	0.019	0.029	1 - 3 - 5	-	2.03	47	4.8	7.3	0.4 - 0.8 - 1.6	13	17	19	16	11	-	
	500	125	0.030	0.046	2 - 3 - 7	13	2.54	59	7.6	11.4	0.7 - 1.0 - 2.0	20	24	26	23	18	13	
	600	150	0.044	0.066	3 - 4 - 8	19	3.05	71	10.9	16.5	0.8 - 1.2 - 2.4	26	30	32	29	24	19	
	700	175	0.060	0.090	3 - 5 - 9	23	3.56	83	14.8	22.4	0.9 - 1.4 - 2.8	30	34	36	33	28	23	
	800	200	0.078	0.118	3 - 5 - 10	28	4.06	94	19.4	29.3	1.1 - 1.6 - 3.2	35	39	41	38	33	28	
	900	225	0.098	0.149	4 - 6 - 12	31	4.57	106	24.5	37.1	1.2 - 1.8 - 3.5	38	42	44	41	36	31	
	1000	250	0.122	0.184	4 - 7 - 12	35	5.08	118	30.3	45.8	1.3 - 2.0 - 3.7	42	46	48	45	40	35	
	1100	275	0.147	0.223	5 - 7 - 13	38	5.59	130	36.6	55.4	1.4 - 2.2 - 3.9	45	49	51	48	43	38	
8" x 8"	200	89	0.006	0.008	0 - 1 - 3	-	1.02	42	1.5	2.1	0.1 - 0.3 - 1.1	-	-	-	-	-	-	
	300	133	0.013	0.019	1 - 2 - 5	-	1.52	63	3.3	4.7	0.3 - 0.7 - 1.6	10	14	16	13	8	-	
	400	178	0.024	0.034	2 - 3 - 7	12	2.03	84	5.9	8.4	0.6 - 1.1 - 2.1	19	23	25	22	17	12	
	500	222	0.037	0.052	3 - 4 - 9	19	2.54	105	9.2	13.0	0.9 - 1.3 - 2.6	26	30	32	29	24	19	
	600	267	0.053	0.075	3 - 5 - 10	25	3.05	126	13.2	18.8	1.1 - 1.6 - 3.2	32	36	38	35	30	25	
	700	311	0.072	0.103	4 - 6 - 12	29	3.56	147	18.0	25.6	1.2 - 1.8 - 3.7	36	40	42	39	34	29	
	800	356	0.094	0.134	5 - 7 - 14	34	4.06	168	23.5	33.4	1.4 - 2.1 - 4.2	41	45	47	44	39	34	
	900	400	0.119	0.170	5 - 8 - 16	37	4.57	189	29.7	42.3	1.6 - 2.4 - 4.7	44	48	50	47	42	37	
	1000	444	0.147	0.210	6 - 9 - 16	41	5.08	210	36.7	52.2	1.8 - 2.6 - 5.0	48	52	54	51	46	41	
10" x 10"	200	139	0.007	0.010	1 - 1 - 4	-	1.02	66	1.8	2.4	0.2 - 0.4 - 1.3	-	-	-	-	-	-	
	300	208	0.016	0.022	1 - 3 - 7	-	1.52	98	4.0	5.4	0.4 - 0.9 - 2.0	14	18	20	17	12	-	
	400	278	0.029	0.039	2 - 4 - 9	16	2.03	131	7.2	9.7	0.7 - 1.3 - 2.6	23	27	29	26	21	16	
	500	347	0.045	0.061	4 - 5 - 11	23	2.54	164	11.2	15.1	1.1 - 1.6 - 3.3	30	34	36	33	28	23	
	600	417	0.065	0.087	4 - 7 - 13	29	3.05	197	16.2	21.8	1.3 - 2.0 - 4.0	36	40	42	39	34	29	
	650	451	0.076	0.103	5 - 7 - 14	32	3.30	213	19.0	25.5	1.4 - 2.1 - 4.3	39	43	45	42	37	32	
	700	486	0.088	0.119	5 - 8 - 15	34	3.56	229	22.0	29.6	1.5 - 2.3 - 4.6	41	45	47	44	39	34	
	800	556	0.115	0.155	6 - 9 - 17	38	4.06	262	28.7	38.7	1.8 - 2.6 - 5.3	45	49	51	48	43	38	
	900	625	0.146	0.197	7 - 10 - 19	42	4.57	295	36.4	48.9	2.0 - 3.0 - 5.9	49	53	55	52	47	42	
12" x 12"	200	200	0.010	0.012	1 - 2 - 5	-	1.02	94	2.4	3.0	0.2 - 0.5 - 1.6	-	-	-	-	-	-	
	300	300	0.021	0.027	2 - 4 - 8	-	1.52	142	5.4	6.7	0.5 - 1.1 - 2.4	18	22	24	21	16	11	
	400	400	0.038	0.048	3 - 5 - 10	20	2.03	189	9.5	12.0	0.9 - 1.6 - 3.2	27	31	33	30	25	20	
	500	500	0.060	0.075	4 - 7 - 13	27	2.54	236	14.9	18.7	1.3 - 2.0 - 4.0	34	38	40	37	32	27	
	600	600	0.086	0.108	5 - 8 - 16	33	3.05	283	21.4	27.0	1.6 - 2.4 - 4.7	40	44	46	43	38	33	
	650	650	0.101	0.127	6 - 8 - 17	35	3.30	307	25.1	31.7	1.7 - 2.6 - 5.1	42	46	48	45	40	35	
	700	700	0.117	0.148	6 - 9 - 18	38	3.56	330	29.1	36.7	1.8 - 2.8 - 5.5	45	49	51	48	43	38	
	750	750	0.134	0.169	7 - 10 - 20	40	3.81	354	33.4	42.2	2.0 - 3.0 - 5.9	47	51	53	50	45	40	
	800	800	0.153	0.193	7 - 10 - 21	42	4.06	378	38.1	48.0	2.1 - 3.2 - 6.3	49	53	55	52	47	42	
15" x 15"	200	313	0.016	0.019	1 - 2 - 7	-	1.02	147	4.1	4.7	0.3 - 0.6 - 2.0	10	14	16	13	-	-	
	300	469	0.037	0.042	2 - 5 - 10	15	1.52	221	9.1	10.5	0.6 - 1.4 - 3.0	22	26	28	25	20	15	
	400	625	0.065	0.075	4 - 7 - 13	25	2.03	295	16.3	18.7	1.1 - 2.0 - 4.0	32	36	38	35	30	25	
	450	703	0.083	0.095	5 - 7 - 15	28	2.29	332	20.6	23.7	1.4 - 2.2 - 4.4	35	39	41	38	33	28	
	500	781	0.102	0.118	5 - 8 - 16	32	2.54	369	25.4	29.3	1.6 - 2.5 - 4.9	39	43	45	42	37	32	
	550	859	0.123	0.142	6 - 9 - 18	35	2.79	406	30.7	35.4	1.8 - 2.7 - 5.4	42	46	48	45	40	35	
	600	938	0.147	0.169	7 - 10 - 20	38	3.05	442	36.6	42.2	2.0 - 3.0 - 5.9	45	49	51	48	43	38	
	650	1016	0.172	0.199	7 - 11 - 21	40	3.30	479	42.9	49.5	2.1 - 3.2 - 6.4	47	51	53	50	45	40	
	700	1094	0.200	0.231	8 - 11 - 23	42	3.56	516	49.8	57.4	2.3 - 3.5 - 6.9	49	53	55	52	47	42	
18" x 18"	200	450	0.025	0.027	1 - 2 - 8	-	1.02	212	6.1	6.7	0.3 - 0.7 - 2.4	13	17	19	16	11	-	
	300	675	0.055	0.061	2 - 5 - 12	19	1.52	319	13.8	15.2	0.7 - 1.6 - 3.6	26	30	32	29	24	19	
	350	788	0.075	0.083	3 - 7 - 14	24	1.78	372	18.8	20.7	1.0 - 2.1 - 4.1	31	35	37	34	29	24	
	400	900	0.098	0.108	4 - 8 - 16	28	2.03	425	24.5	27.0	1.3 - 2.4 - 4.7	35	39	41	38	33	28	
	450	1013	0.125	0.137	5 - 9 - 18	32	2.29	478	31.0	34.2	1.6 - 2.7 - 5.3	39	43	45	42	37	32	
	500	1125	0.154	0.169	7 - 10 - 20	35	2.54	531	38.3	42.2	2.0 - 3.0 - 5.9	42	46	48	45	40	35	
	550	1238	0.186	0.205	7 - 11 - 21	39	2.79	584	46.3	51.0	2.2 - 3.3 - 6.5	46	50	52	49	44	39	
	600	1350	0.221	0.244	8 - 12 - 23	41	3.05	637	55.1	60.7	2.4 - 3.6 - 7.1	48	52	54	51	46	41	
	650	1463	0.260	0.286	8 - 13 - 25	44	3.30	690	64.7	71.3	2.6 - 3.9 - 7.7	51	55	57	54	49	44	

NOTE: See C1-66 for notes.

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PERFORATED FACE DIFFUSERS

6400 - 56400

6400, 56400 (Supply) Performance Data: Horizontal Throw

IP/METRIC DATA: 6400, 56400, 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	1 - 2 - 8	1 - 2 - 6	1 - 3 - 5	1.52	35	0.3 - 0.7 - 2.5	0.3 - 0.7 - 1.8	0.4 - 0.8 - 1.6
	400	100	2 - 4 - 11	2 - 4 - 8	2 - 3 - 7	2.03	47	0.5 - 1.2 - 3.3	0.5 - 1.2 - 2.4	0.6 - 1.0 - 2.1
	500	125	3 - 6 - 14	3 - 5 - 10	3 - 4 - 9	2.54	59	0.8 - 1.9 - 4.2	0.8 - 1.5 - 3.0	0.9 - 1.3 - 2.6
	600	150	4 - 8 - 17	4 - 6 - 12	3 - 5 - 10	3.05	71	1.2 - 2.5 - 5.0	1.2 - 1.8 - 3.6	1.0 - 1.6 - 3.1
	700	175	5 - 10 - 19	5 - 7 - 14	4 - 6 - 12	3.56	83	1.7 - 2.9 - 5.7	1.4 - 2.1 - 4.3	1.2 - 1.8 - 3.6
	800	200	7 - 11 - 20	5 - 8 - 16	5 - 7 - 14	4.06	94	2.2 - 3.3 - 6.1	1.6 - 2.4 - 4.9	1.4 - 2.1 - 4.1
	900	225	8 - 12 - 21	6 - 9 - 18	5 - 8 - 15	4.57	106	2.5 - 3.8 - 6.4	1.8 - 2.7 - 5.5	1.6 - 2.3 - 4.5
	1000	250	9 - 14 - 22	7 - 10 - 19	6 - 9 - 16	5.08	118	2.8 - 4.2 - 6.8	2.0 - 3.0 - 5.8	1.7 - 2.6 - 4.8
	1100	275	10 - 15 - 23	7 - 11 - 20	6 - 9 - 16	5.59	130	3.1 - 4.6 - 7.1	2.2 - 3.3 - 6.1	1.9 - 2.8 - 5.0
8" x 8"	200	89	1 - 1 - 5	1 - 1 - 5	1 - 2 - 5	1.02	42	0.2 - 0.4 - 1.6	0.2 - 0.4 - 1.6	0.2 - 0.5 - 1.4
	300	133	1 - 3 - 11	1 - 3 - 8	2 - 3 - 7	1.52	63	0.4 - 0.9 - 3.3	0.4 - 0.9 - 2.4	0.5 - 1.0 - 2.1
	400	178	2 - 5 - 15	2 - 5 - 11	3 - 5 - 9	2.03	84	0.7 - 1.6 - 4.5	0.7 - 1.6 - 3.2	0.9 - 1.4 - 2.8
	500	222	4 - 8 - 18	4 - 7 - 13	4 - 6 - 11	2.54	105	1.1 - 2.5 - 5.6	1.1 - 2.0 - 4.1	1.1 - 1.7 - 3.4
	600	267	5 - 11 - 22	5 - 8 - 16	5 - 7 - 14	3.05	126	1.6 - 3.3 - 6.7	1.6 - 2.4 - 4.9	1.4 - 2.1 - 4.1
	700	311	7 - 13 - 25	6 - 9 - 19	5 - 8 - 16	3.56	147	2.2 - 3.9 - 7.6	1.9 - 2.8 - 5.7	1.6 - 2.4 - 4.8
	800	356	9 - 15 - 27	7 - 11 - 21	6 - 9 - 18	4.06	168	2.9 - 4.5 - 8.1	2.2 - 3.2 - 6.5	1.8 - 2.8 - 5.5
	900	400	11 - 17 - 28	8 - 12 - 24	7 - 10 - 20	4.57	189	3.3 - 5.0 - 8.6	2.4 - 3.6 - 7.3	2.1 - 3.1 - 6.0
	1000	444	12 - 18 - 30	9 - 13 - 25	8 - 11 - 21	5.08	210	3.7 - 5.6 - 9.1	2.7 - 4.1 - 7.7	2.3 - 3.4 - 6.3
10" x 10"	200	139	1 - 2 - 7	1 - 2 - 7	1 - 2 - 6	1.02	66	0.2 - 0.5 - 2.0	0.2 - 0.5 - 2.0	0.3 - 0.6 - 1.7
	300	208	2 - 4 - 14	2 - 4 - 10	2 - 4 - 9	1.52	98	0.5 - 1.1 - 4.2	0.5 - 1.1 - 3.0	0.6 - 1.3 - 2.6
	400	278	3 - 7 - 18	3 - 7 - 13	4 - 6 - 11	2.03	131	0.9 - 2.0 - 5.6	0.9 - 2.0 - 4.1	1.1 - 1.7 - 3.4
	500	347	5 - 10 - 23	5 - 8 - 17	5 - 7 - 14	2.54	164	1.4 - 3.2 - 7.0	1.4 - 2.5 - 5.1	1.4 - 2.2 - 4.3
	600	417	7 - 14 - 28	7 - 10 - 20	6 - 9 - 17	3.05	197	2.0 - 4.2 - 8.4	2.0 - 3.0 - 6.1	1.7 - 2.6 - 5.2
	650	451	8 - 15 - 30	7 - 11 - 22	6 - 9 - 18	3.30	213	2.4 - 4.5 - 9.1	2.2 - 3.3 - 6.6	1.9 - 2.8 - 5.6
	700	486	9 - 16 - 31	8 - 12 - 23	7 - 10 - 20	3.56	229	2.8 - 4.9 - 9.5	2.4 - 3.5 - 7.1	2.0 - 3.0 - 6.0
	800	556	12 - 18 - 33	9 - 13 - 27	8 - 11 - 23	4.06	262	3.6 - 5.6 - 10.1	2.7 - 4.1 - 8.1	2.3 - 3.4 - 6.9
	900	625	14 - 21 - 35	10 - 15 - 30	9 - 13 - 25	4.57	295	4.2 - 6.3 - 10.7	3.0 - 4.6 - 9.1	2.6 - 3.9 - 7.5
12" x 12"	200	200	1 - 2 - 8	1 - 2 - 8	1 - 2 - 7	1.02	94	0.3 - 0.6 - 2.4	0.3 - 0.6 - 2.4	0.3 - 0.7 - 2.1
	300	300	2 - 5 - 17	2 - 5 - 12	2 - 5 - 10	1.52	142	0.6 - 1.4 - 5.0	0.6 - 1.4 - 3.6	0.7 - 1.6 - 3.1
	400	400	4 - 8 - 22	4 - 8 - 16	4 - 7 - 14	2.03	189	1.1 - 2.4 - 6.7	1.1 - 2.4 - 4.9	1.3 - 2.1 - 4.1
	500	500	6 - 13 - 28	6 - 10 - 20	6 - 9 - 17	2.54	236	1.7 - 3.8 - 8.4	1.7 - 3.0 - 6.1	1.7 - 2.6 - 5.2
	600	600	8 - 17 - 33	8 - 12 - 24	7 - 10 - 20	3.05	283	2.4 - 5.0 - 10.0	2.4 - 3.6 - 7.3	2.1 - 3.1 - 6.2
	650	650	9 - 18 - 36	9 - 13 - 26	7 - 11 - 22	3.30	307	2.9 - 5.4 - 10.9	2.6 - 4.0 - 7.9	2.2 - 3.4 - 6.7
	700	700	11 - 19 - 37	9 - 14 - 28	8 - 12 - 24	3.56	330	3.3 - 5.9 - 11.4	2.8 - 4.3 - 8.5	2.4 - 3.6 - 7.2
	750	750	13 - 21 - 39	10 - 15 - 30	9 - 13 - 26	3.81	354	3.8 - 6.3 - 11.8	3.0 - 4.6 - 9.1	2.6 - 3.9 - 7.8
	800	800	14 - 22 - 40	11 - 16 - 32	9 - 14 - 27	4.06	378	4.3 - 6.7 - 12.2	3.2 - 4.9 - 9.7	2.8 - 4.1 - 8.3
15" x 15"	200	313	1 - 3 - 10	1 - 3 - 10	1 - 3 - 9	1.02	147	0.3 - 0.8 - 3.0	0.3 - 0.8 - 3.0	0.4 - 0.9 - 2.6
	300	469	3 - 6 - 21	3 - 6 - 15	3 - 6 - 13	1.52	221	0.8 - 1.7 - 6.3	0.8 - 1.7 - 4.6	0.9 - 1.9 - 3.9
	400	625	4 - 10 - 28	4 - 10 - 20	5 - 9 - 17	2.03	295	1.4 - 3.0 - 8.4	1.4 - 3.0 - 6.1	1.6 - 2.6 - 5.2
	450	703	6 - 13 - 31	6 - 11 - 23	6 - 10 - 19	2.29	332	1.7 - 3.8 - 9.4	1.7 - 3.4 - 6.8	1.9 - 2.9 - 5.8
	500	781	7 - 16 - 34	7 - 13 - 25	7 - 11 - 21	2.54	369	2.1 - 4.8 - 10.5	2.1 - 3.8 - 7.6	2.2 - 3.2 - 6.5
	550	859	8 - 19 - 38	8 - 14 - 28	8 - 12 - 23	2.79	406	2.6 - 5.7 - 11.5	2.6 - 4.2 - 8.4	2.4 - 3.6 - 7.1
	600	938	10 - 21 - 41	10 - 15 - 30	9 - 13 - 26	3.05	442	3.0 - 6.3 - 12.5	3.0 - 4.6 - 9.1	2.6 - 3.9 - 7.8
	650	1016	12 - 22 - 45	11 - 16 - 33	9 - 14 - 28	3.30	479	3.6 - 6.8 - 13.6	3.3 - 4.9 - 9.9	2.8 - 4.2 - 8.4
	700	1094	14 - 24 - 47	12 - 18 - 35	10 - 15 - 30	3.56	516	4.1 - 7.3 - 14.2	3.5 - 5.3 - 10.6	3.0 - 4.5 - 9.0
18" x 18"	200	450	1 - 3 - 12	1 - 3 - 12	2 - 4 - 10	1.02	212	0.4 - 0.9 - 3.6	0.4 - 0.9 - 3.6	0.5 - 1.1 - 3.1
	300	675	3 - 7 - 25	3 - 7 - 18	4 - 8 - 15	1.52	319	0.9 - 2.1 - 7.5	0.9 - 2.1 - 5.5	1.1 - 2.3 - 4.7
	350	788	4 - 9 - 29	4 - 9 - 21	5 - 9 - 18	1.78	372	1.2 - 2.8 - 8.8	1.2 - 2.8 - 6.4	1.5 - 2.7 - 5.4
	400	900	5 - 12 - 33	5 - 12 - 24	6 - 10 - 20	2.03	425	1.6 - 3.6 - 10.0	1.6 - 3.6 - 7.3	1.9 - 3.1 - 6.2
	450	1013	7 - 15 - 37	7 - 14 - 27	8 - 11 - 23	2.29	478	2.1 - 4.6 - 11.3	2.1 - 4.1 - 8.2	2.3 - 3.5 - 7.0
	500	1125	8 - 19 - 41	8 - 15 - 30	9 - 13 - 26	2.54	531	2.5 - 5.7 - 12.5	2.5 - 4.6 - 9.1	2.6 - 3.9 - 7.8
	550	1238	10 - 23 - 45	10 - 17 - 33	9 - 14 - 28	2.79	584	3.1 - 6.9 - 13.8	3.1 - 5.0 - 10.0	2.8 - 4.3 - 8.5
	600	1350	12 - 25 - 50	12 - 18 - 36	10 - 15 - 31	3.05	637	3.6 - 7.5 - 15.0	3.6 - 5.5 - 10.9	3.1 - 4.7 - 9.3
	650	1463	14 - 27 - 54	13 - 20 - 39	11 - 17 - 33	3.30	690	4.3 - 8.2 - 16.3	4.0 - 5.9 - 11.9	3.4 - 5.0 - 10.1

NOTE: See C1-67 for notes.

6400, 56400 (Supply) Performance Data: Horizontal Throw

IP/METRIC DATA: 6400, 56400, 24"x48" PANEL, 4-WAY (NO DAMPER)

	IP Data					NC	Metric Data					Octave Band, dB						
	Neck Vel	Air Flow	Ps	Pt	4-Way Throw		Neck Vel	Air Flow	Ps	Pt	4-Way Throw							
	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	0.017	1 - 2 - 4	-	1.52	35	2.7	4.1	0.2 - 0.5 - 1.2	-	-	-	-	-	-	
	400	100	0.019	0.029	1 - 3 - 5	-	2.03	47	4.8	7.3	0.4 - 0.8 - 1.6	13	17	19	16	11	-	
	500	125	0.030	0.046	2 - 3 - 7	13	2.54	59	7.6	11.4	0.7 - 1.0 - 2.0	20	24	26	23	18	13	
	600	150	0.044	0.066	3 - 4 - 8	19	3.05	71	10.9	16.5	0.8 - 1.2 - 2.4	26	30	32	29	24	19	
	700	175	0.060	0.090	3 - 5 - 9	23	3.56	83	14.8	22.4	0.9 - 1.4 - 2.8	30	34	36	33	28	23	
	800	200	0.078	0.118	3 - 5 - 10	28	4.06	94	19.4	29.3	1.1 - 1.6 - 3.2	35	39	41	38	33	28	
	900	225	0.098	0.149	4 - 6 - 12	31	4.57	106	24.5	37.1	1.2 - 1.8 - 3.5	38	42	44	41	36	31	
	1000	250	0.122	0.184	4 - 7 - 12	35	5.08	118	30.3	45.8	1.3 - 2.0 - 3.7	42	46	48	45	40	35	
	1100	275	0.147	0.223	5 - 7 - 13	38	5.59	130	36.6	55.4	1.4 - 2.2 - 3.9	45	49	51	48	43	38	
8" x 8"	200	89	0.006	0.008	0 - 1 - 3	-	1.02	42	1.5	2.1	0.1 - 0.3 - 1.1	-	-	-	-	-	-	
	300	133	0.013	0.019	1 - 2 - 5	-	1.52	63	3.3	4.7	0.3 - 0.7 - 1.6	10	14	16	13	8	-	
	400	178	0.024	0.034	2 - 3 - 7	12	2.03	84	5.9	8.4	0.6 - 1.1 - 2.1	19	23	25	22	17	12	
	500	222	0.037	0.052	3 - 4 - 9	19	2.54	105	9.2	13.0	0.9 - 1.3 - 2.6	26	30	32	29	24	19	
	600	267	0.053	0.075	3 - 5 - 10	25	3.05	126	13.2	18.8	1.1 - 1.6 - 3.2	32	36	38	35	30	25	
	700	311	0.072	0.103	4 - 6 - 12	29	3.56	147	18.0	25.6	1.2 - 1.8 - 3.7	36	40	42	39	34	29	
	800	356	0.094	0.134	5 - 7 - 14	34	4.06	168	23.5	33.4	1.4 - 2.1 - 4.2	41	45	47	44	39	34	
	900	400	0.119	0.170	5 - 8 - 16	37	4.57	189	29.7	42.3	1.6 - 2.4 - 4.7	44	48	50	47	42	37	
	1000	444	0.147	0.210	6 - 9 - 16	41	5.08	210	36.7	52.2	1.8 - 2.6 - 5.0	48	52	54	51	46	41	
10" x 10"	200	139	0.007	0.010	1 - 1 - 4	-	1.02	66	1.8	2.4	0.2 - 0.4 - 1.3	-	-	-	-	-	-	
	300	208	0.016	0.022	1 - 3 - 7	-	1.52	98	4.0	5.4	0.4 - 0.9 - 2.0	14	18	20	17	12	-	
	400	278	0.029	0.039	2 - 4 - 9	16	2.03	131	7.2	9.7	0.7 - 1.3 - 2.6	23	27	29	26	21	16	
	500	347	0.045	0.061	4 - 5 - 11	23	2.54	164	11.2	15.1	1.1 - 1.6 - 3.3	30	34	36	33	28	23	
	600	417	0.065	0.087	4 - 7 - 13	29	3.05	197	16.2	21.8	1.3 - 2.0 - 4.0	36	40	42	39	34	29	
	650	451	0.076	0.103	5 - 7 - 14	32	3.30	213	19.0	25.5	1.4 - 2.1 - 4.3	39	43	45	42	37	32	
	700	486	0.088	0.119	5 - 8 - 15	34	3.56	229	22.0	29.6	1.5 - 2.3 - 4.6	41	45	47	44	39	34	
	800	556	0.115	0.155	6 - 9 - 17	38	4.06	262	28.7	38.7	1.8 - 2.6 - 5.3	45	49	51	48	43	38	
	900	625	0.146	0.197	7 - 10 - 19	42	4.57	295	36.4	48.9	2.0 - 3.0 - 5.9	49	53	55	52	47	42	
12" x 12"	200	200	0.010	0.012	1 - 2 - 5	-	1.02	94	2.4	3.0	0.2 - 0.5 - 1.6	-	-	-	-	-	-	
	300	300	0.021	0.027	2 - 4 - 8	-	1.52	142	5.4	6.7	0.5 - 1.1 - 2.4	18	22	24	21	16	11	
	400	400	0.038	0.048	3 - 5 - 10	20	2.03	189	9.5	12.0	0.9 - 1.6 - 3.2	27	31	33	30	25	20	
	500	500	0.060	0.075	4 - 7 - 13	27	2.54	236	14.9	18.7	1.3 - 2.0 - 4.0	34	38	40	37	32	27	
	600	600	0.086	0.108	5 - 8 - 16	33	3.05	283	21.4	27.0	1.6 - 2.4 - 4.7	40	44	46	43	38	33	
	650	650	0.101	0.127	6 - 8 - 17	35	3.30	307	25.1	31.7	1.7 - 2.6 - 5.1	42	46	48	45	40	35	
	700	700	0.117	0.148	6 - 9 - 18	38	3.56	330	29.1	36.7	1.8 - 2.8 - 5.5	45	49	51	48	43	38	
	750	750	0.134	0.169	7 - 10 - 20	40	3.81	354	33.4	42.2	2.0 - 3.0 - 5.9	47	51	53	50	45	40	
	800	800	0.153	0.193	7 - 10 - 21	42	4.06	378	38.1	48.0	2.1 - 3.2 - 6.3	49	53	55	52	47	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.

PERFORATED FACE DIFFUSERS

6400, 56400 (Supply) Performance Data: Horizontal Throw

IP/METRIC DATA: 6400, 56400, 24"x48" 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	1 - 2 - 8	1 - 2 - 6	1 - 3 - 5	1.52	35	0.3 - 0.7 - 2.5	0.3 - 0.7 - 1.8	0.4 - 0.8 - 1.6
	400	100	2 - 4 - 11	2 - 4 - 8	2 - 3 - 7	2.03	47	0.5 - 1.2 - 3.3	0.5 - 1.2 - 2.4	0.6 - 1.0 - 2.1
	500	125	3 - 6 - 14	3 - 5 - 10	3 - 4 - 9	2.54	59	0.8 - 1.9 - 4.2	0.8 - 1.5 - 3.0	0.9 - 1.3 - 2.6
	600	150	4 - 8 - 17	4 - 6 - 12	3 - 5 - 10	3.05	71	1.2 - 2.5 - 5.0	1.2 - 1.8 - 3.6	1.0 - 1.6 - 3.1
	700	175	5 - 10 - 19	5 - 7 - 14	4 - 6 - 12	3.56	83	1.7 - 2.9 - 5.7	1.4 - 2.1 - 4.3	1.2 - 1.8 - 3.6
	800	200	7 - 11 - 20	5 - 8 - 16	5 - 7 - 14	4.06	94	2.2 - 3.3 - 6.1	1.6 - 2.4 - 4.9	1.4 - 2.1 - 4.1
	900	225	8 - 12 - 21	6 - 9 - 18	5 - 8 - 15	4.57	106	2.5 - 3.8 - 6.4	1.8 - 2.7 - 5.5	1.6 - 2.3 - 4.5
	1000	250	9 - 14 - 22	7 - 10 - 19	6 - 9 - 16	5.08	118	2.8 - 4.2 - 6.8	2.0 - 3.0 - 5.8	1.7 - 2.6 - 4.8
8" x 8"	1100	275	10 - 15 - 23	7 - 11 - 20	6 - 9 - 16	5.59	130	3.1 - 4.6 - 7.1	2.2 - 3.3 - 6.1	1.9 - 2.8 - 5.0
	200	89	1 - 1 - 5	1 - 1 - 5	1 - 2 - 5	1.02	42	0.2 - 0.4 - 1.6	0.2 - 0.4 - 1.6	0.2 - 0.5 - 1.4
	300	133	1 - 3 - 11	1 - 3 - 8	2 - 3 - 7	1.52	63	0.4 - 0.9 - 3.3	0.4 - 0.9 - 2.4	0.5 - 1.0 - 2.1
	400	178	2 - 5 - 15	2 - 5 - 11	3 - 5 - 9	2.03	84	0.7 - 1.6 - 4.5	0.7 - 1.6 - 3.2	0.9 - 1.4 - 2.8
	500	222	4 - 8 - 18	4 - 7 - 13	4 - 6 - 11	2.54	105	1.1 - 2.5 - 5.6	1.1 - 2.0 - 4.1	1.1 - 1.7 - 3.4
	600	267	5 - 11 - 22	5 - 8 - 16	5 - 7 - 14	3.05	126	1.6 - 3.3 - 6.7	1.6 - 2.4 - 4.9	1.4 - 2.1 - 4.1
	700	311	7 - 13 - 25	6 - 9 - 19	5 - 8 - 16	3.56	147	2.2 - 3.9 - 7.6	1.9 - 2.8 - 5.7	1.6 - 2.4 - 4.8
	800	356	9 - 15 - 27	7 - 11 - 21	6 - 9 - 18	4.06	168	2.9 - 4.5 - 8.1	2.2 - 3.2 - 6.5	1.8 - 2.8 - 5.5
10" x 10"	900	400	11 - 17 - 28	8 - 12 - 24	7 - 10 - 20	4.57	189	3.3 - 5.0 - 8.6	2.4 - 3.6 - 7.3	2.1 - 3.1 - 6.0
	1000	444	12 - 18 - 30	9 - 13 - 25	8 - 11 - 21	5.08	210	3.7 - 5.6 - 9.1	2.7 - 4.1 - 7.7	2.3 - 3.4 - 6.3
	200	139	1 - 2 - 7	1 - 2 - 7	1 - 2 - 6	1.02	66	0.2 - 0.5 - 2.0	0.2 - 0.5 - 2.0	0.3 - 0.6 - 1.7
	300	208	2 - 4 - 14	2 - 4 - 10	2 - 4 - 9	1.52	98	0.5 - 1.1 - 4.2	0.5 - 1.1 - 3.0	0.6 - 1.3 - 2.6
	400	278	3 - 7 - 18	3 - 7 - 13	4 - 6 - 11	2.03	131	0.9 - 2.0 - 5.6	0.9 - 2.0 - 4.1	1.1 - 1.7 - 3.4
	500	347	5 - 10 - 23	5 - 8 - 17	5 - 7 - 14	2.54	164	1.4 - 3.2 - 7.0	1.4 - 2.5 - 5.1	1.4 - 2.2 - 4.3
	600	417	7 - 14 - 28	7 - 10 - 20	6 - 9 - 17	3.05	197	2.0 - 4.2 - 8.4	2.0 - 3.0 - 6.1	1.7 - 2.6 - 5.2
	650	451	8 - 15 - 30	7 - 11 - 22	6 - 9 - 18	3.30	213	2.4 - 4.5 - 9.1	2.2 - 3.3 - 6.6	1.9 - 2.8 - 5.6
12" x 12"	700	486	9 - 16 - 31	8 - 12 - 23	7 - 10 - 20	3.56	229	2.8 - 4.9 - 9.5	2.4 - 3.5 - 7.1	2.0 - 3.0 - 6.0
	800	556	12 - 18 - 33	9 - 13 - 27	8 - 11 - 23	4.06	262	3.6 - 5.6 - 10.1	2.7 - 4.1 - 8.1	2.3 - 3.4 - 6.9
	900	625	14 - 21 - 35	10 - 15 - 30	9 - 13 - 25	4.57	295	4.2 - 6.3 - 10.7	3.0 - 4.6 - 9.1	2.6 - 3.9 - 7.5
	200	200	1 - 2 - 8	1 - 2 - 8	1 - 2 - 7	1.02	94	0.3 - 0.6 - 2.4	0.3 - 0.6 - 2.4	0.3 - 0.7 - 2.1
	300	300	2 - 5 - 17	2 - 5 - 12	2 - 5 - 10	1.52	142	0.6 - 1.4 - 5.0	0.6 - 1.4 - 3.6	0.7 - 1.6 - 3.1
	400	400	4 - 8 - 22	4 - 8 - 16	4 - 7 - 14	2.03	189	1.1 - 2.4 - 6.7	1.1 - 2.4 - 4.9	1.3 - 2.1 - 4.1
	500	500	6 - 13 - 28	6 - 10 - 20	6 - 9 - 17	2.54	236	1.7 - 3.8 - 8.4	1.7 - 3.0 - 6.1	1.7 - 2.6 - 5.2
	600	600	8 - 17 - 33	8 - 12 - 24	7 - 10 - 20	3.05	283	2.4 - 5.0 - 10.0	2.4 - 3.6 - 7.3	2.1 - 3.1 - 6.2
12" x 12"	650	650	9 - 18 - 36	9 - 13 - 26	7 - 11 - 22	3.30	307	2.9 - 5.4 - 10.9	2.6 - 4.0 - 7.9	2.2 - 3.4 - 6.7
	700	700	11 - 19 - 37	9 - 14 - 28	8 - 12 - 24	3.56	330	3.3 - 5.9 - 11.4	2.8 - 4.3 - 8.5	2.4 - 3.6 - 7.2
	750	750	13 - 21 - 39	10 - 15 - 30	9 - 13 - 26	3.81	354	3.8 - 6.3 - 11.8	3.0 - 4.6 - 9.1	2.6 - 3.9 - 7.8
	800	800	14 - 22 - 40	11 - 16 - 32	9 - 14 - 27	4.06	378	4.3 - 6.7 - 12.2	3.2 - 4.9 - 9.7	2.8 - 4.1 - 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.

6400, 56400, 6490, 56490 (Supply/Return) Suggested Specification & Configuration -
1. SERIES: (XXXXX)

- 6400 - Square Neck, Steel Perforated Supply Diffuser with Face Mounted Deflectors
- 56400 - Square Neck, Aluminum Perforated Face, Steel Backpan Supply Diffuser with Face Mounted Deflectors
- 6490 - Square Neck, Steel Perforated Return
- 56490 - Square Neck, Aluminum Perforated Face, Steel Backpan Return

2. PATTERN: (XX)

- 04 - 4-Way
- 90 - Return

3. DIMENSION 1 x DIMENSION 2: (XX)x(XX) *

6"x6"	6"x18"
8"x8"	10"x10"
10"x22"	12"x12"
14"x14"	15"x15"
16"x16"	18"x18"
22"x22"	22"x46"

4. FRAME: (XXX)

- F20 - Surface Mount
- F23 - Lay-in T-Bar
- F30 - Drop Face
- F98 - Narrow-T *

5. PANEL: (XX)x(XX)

12"x12"	12"x24"
16"x16" **	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

Damper not included in configuration code.

* See chart on C1-53 for available neck sizes.

** Models 56400/56490 not available in 16"x16" and 20"x20" panel sizes.

• Frame 98 only available with 24"x24" panel size.

6400, 56400

The perforated face supply diffuser shall be Krueger model 6400 (steel perforated face) or 56400 (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 four separate pattern deflectors mounted on the back of the perforated face and be field adjustable to provide 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 pattern deflectors for adjustments or removal 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.

6490, 56490

The perforated face return diffuser shall be Krueger model 6490 (steel perforated face) or 56490 (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 return diffuser shall match the Krueger model 6400 (steel perforated face) or 56400 (aluminum perforated face) supply diffuser in appearance. The perforated face must be easily removable from the backpan for 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.

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.