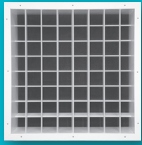


680 & 5680

These industrial supply grilles feature adjustable, single deflection, extruded aluminum airfoil blades with a steel or extruded aluminum frame. Horizontal or vertical blades at 1 1/4", 2", or 3" spacing available.



6880 & 56880

These industrial supply grilles feature adjustable, double deflection, extruded aluminum airfoil blades with a steel or extruded aluminum frame. Horizontal or vertical front blades at 1 1/4", 2", or 3" spacing available.



680MP & 5680MP

These industrial supply grilles feature fully adjustable extruded aluminum front blades with pole operated rear blades, with a steel or extruded aluminum frame. Horizontal or vertical front blades at 3/4" spacing.



DPL

This industrial supply drum louver features extruded aluminum, rear hinged vanes, aluminum frame, and up to 60° of rotation.



DPL2

This industrial supply drum louver features extruded aluminum, rear hinged, split vanes, an aluminum frame, and up to 60° of rotation.

680, 5680, 6880, 56880, 680MP, 5680MP

Introduction M1-3
 Dimensional Data..... M1-4
 Reference Charts..... M1-8
 Performance Data..... M1-11
 Engineering Specifications..... M1-23

DPL, DPL2

Introduction & Dimensional Data M1-25
 Pattern Selection & Detail..... M1-26
 Heavy Duty Damper (Model DOBHD) M1-27
 Reference Charts..... M1-28
 Performance Data..... M1-30
 Engineering Specification M1-34

Introduction: 680, 6880, 680MP Series —

The 680/6880 series industrial grilles feature aluminum extruded airfoil blades enhancing the look and performance of the grille. The 680/6880 blade spacing ranges from 1 1/4" to 3" resulting in single section airflow ranges from 75 CFM to 7,200 CFM. Multi-section construction allows for an unlimited airflow range. These grilles are an excellent choice for large room applications where high volumes of air are required.

MODEL

- 680 - Single Deflection Industrial Supply Grille with Steel Frame Construction
- 5680 - Single Deflection Industrial Supply Grille with Extruded Aluminum Frame Construction
- 6880 - Double Deflection Industrial Supply Grille with Steel Frame Construction
- 56880 - Double Deflection Industrial Supply Grille with Extruded Aluminum Frame Construction
- 680MP - Industrial Supply Grille with Fully Adjustable Front Blades and Pole Operated Rear Blades with Steel Frame Construction
- 5680MP - Industrial Supply Grille with Fully Adjustable Front Blades and Pole Operated Rear Blades with Extruded Aluminum Frame Construction

FEATURES

- Extruded aluminum blades.
- Border: 1 1/4".
- Blade Spacing: 1 1/4", 2", or 3" (680, 5680, 6880, and 56880 only); 3/4" front and 1" rear (680MP and 5680MP only).

ACCESSORY

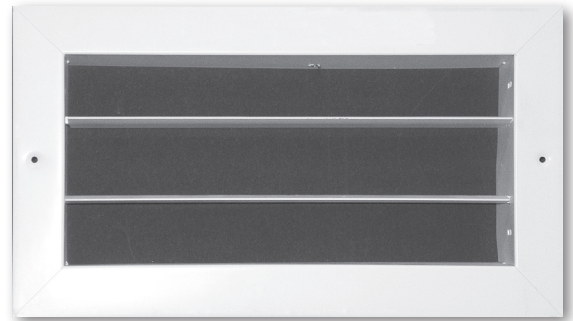
- Heavy Duty Damper (Model OBDHD)*
- Steel Opposed Blade Damper (Model OBD)**
- Steel Painted Opposed Blade Damper (Model POBD)**
- Aluminum Opposed Blade Damper (Model 5OBD)**

FINISHES

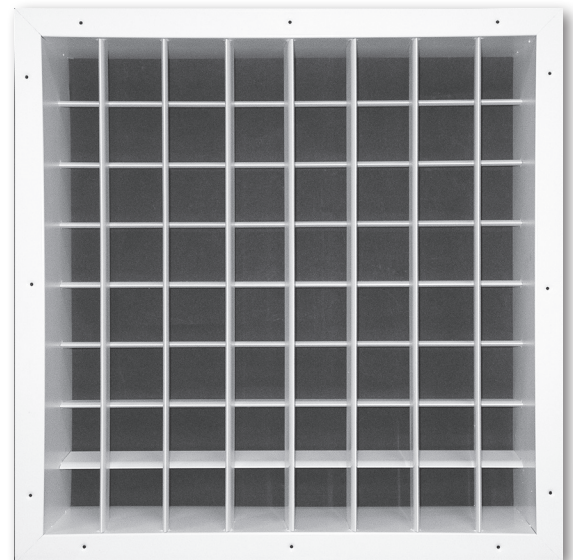
- Standard finish is #44 British White.
- Optional finishes available.

* Accessory available with 680, 5680, 6880, 56880 Series only.

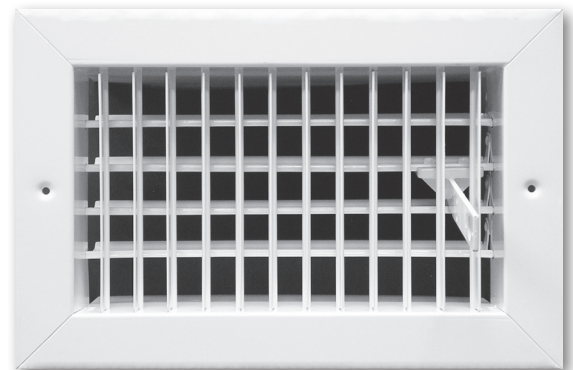
** Accessory available with 680MP, 5680MP Series only.



680



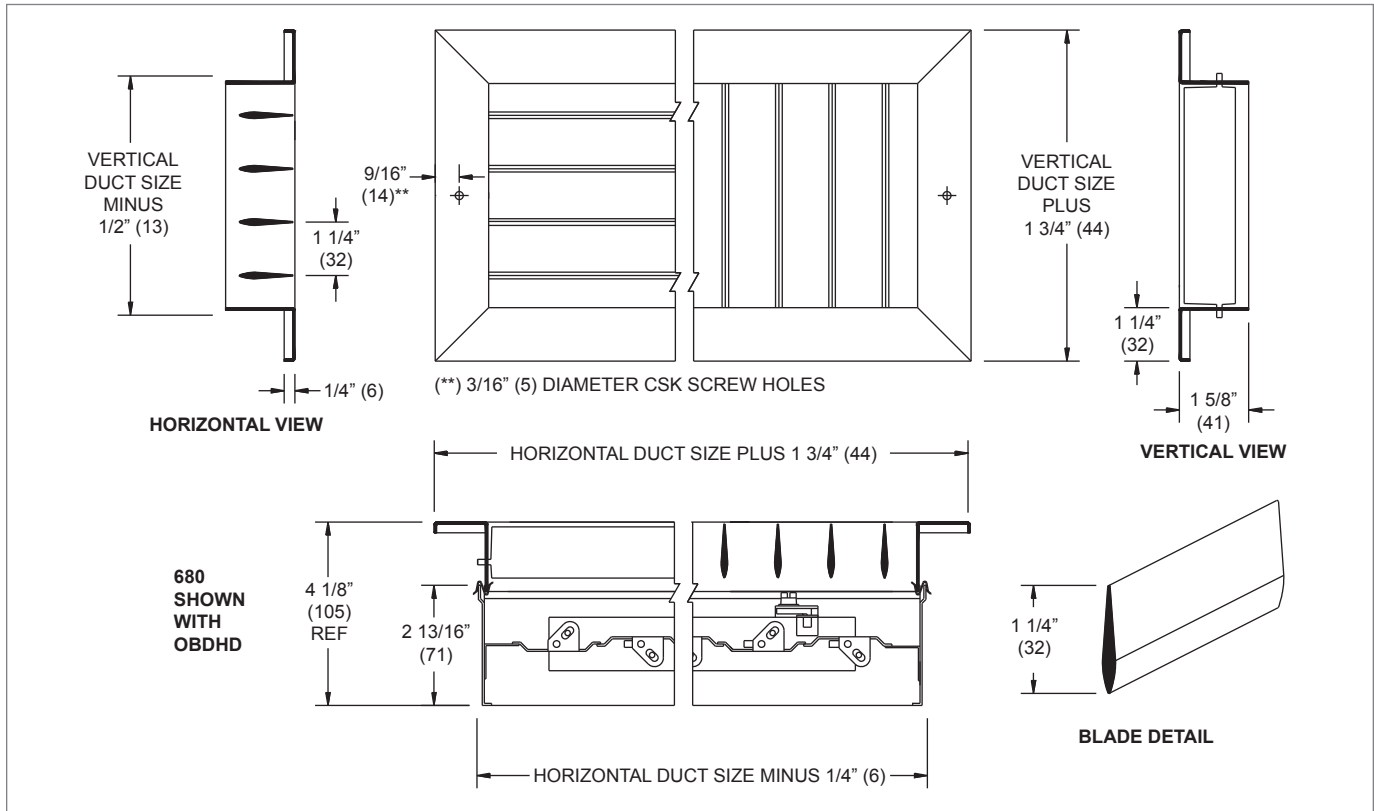
6880



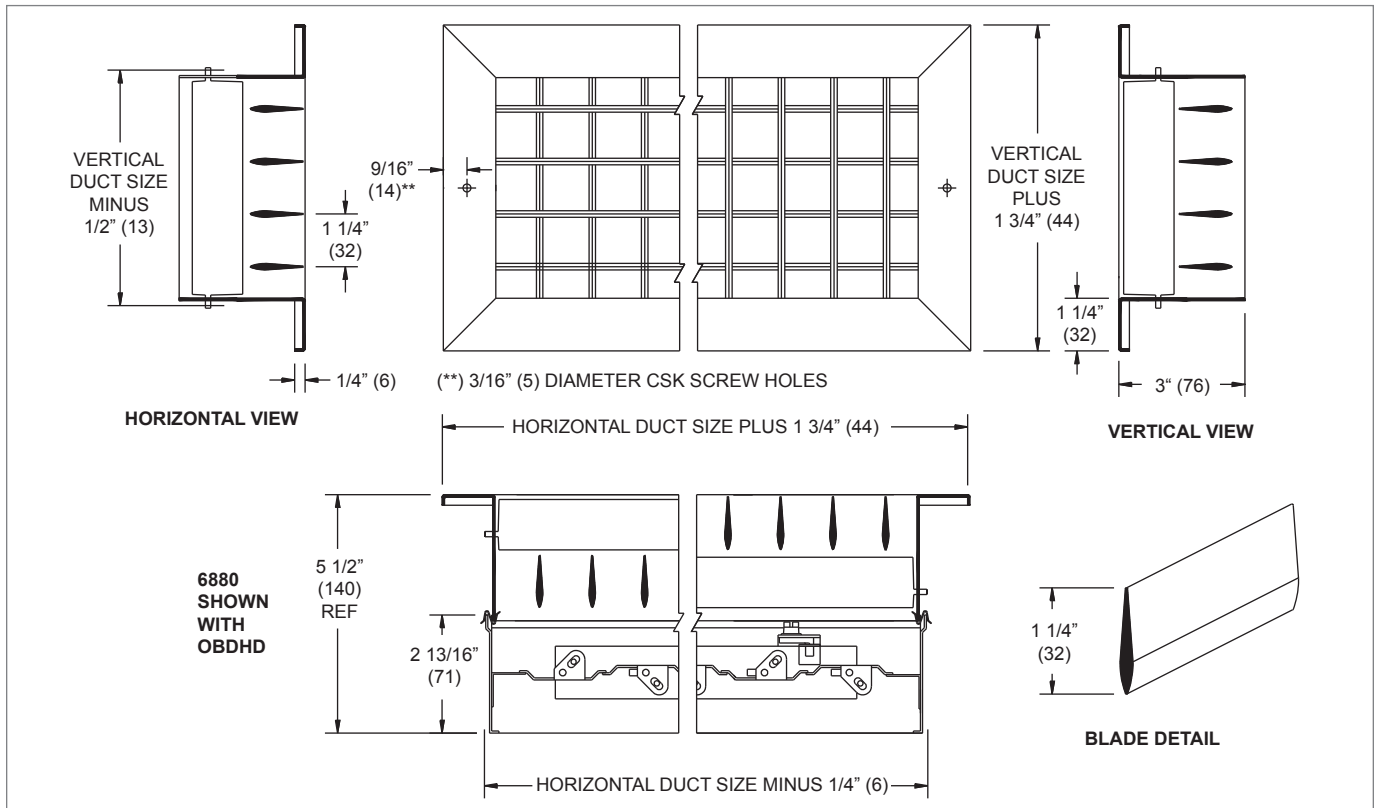
680MP

680, 5680, 6880, 56880 Dimensional Data

680, 5680, 1 1/4" BLADE SPACING: FACE VIEW, SIDE VIEW, CROSS SECTIONS, & BLADE DETAIL



6880, 56880, 1 1/4" BLADE SPACING: FACE VIEW, SIDE VIEW, CROSS SECTIONS, & BLADE DETAIL



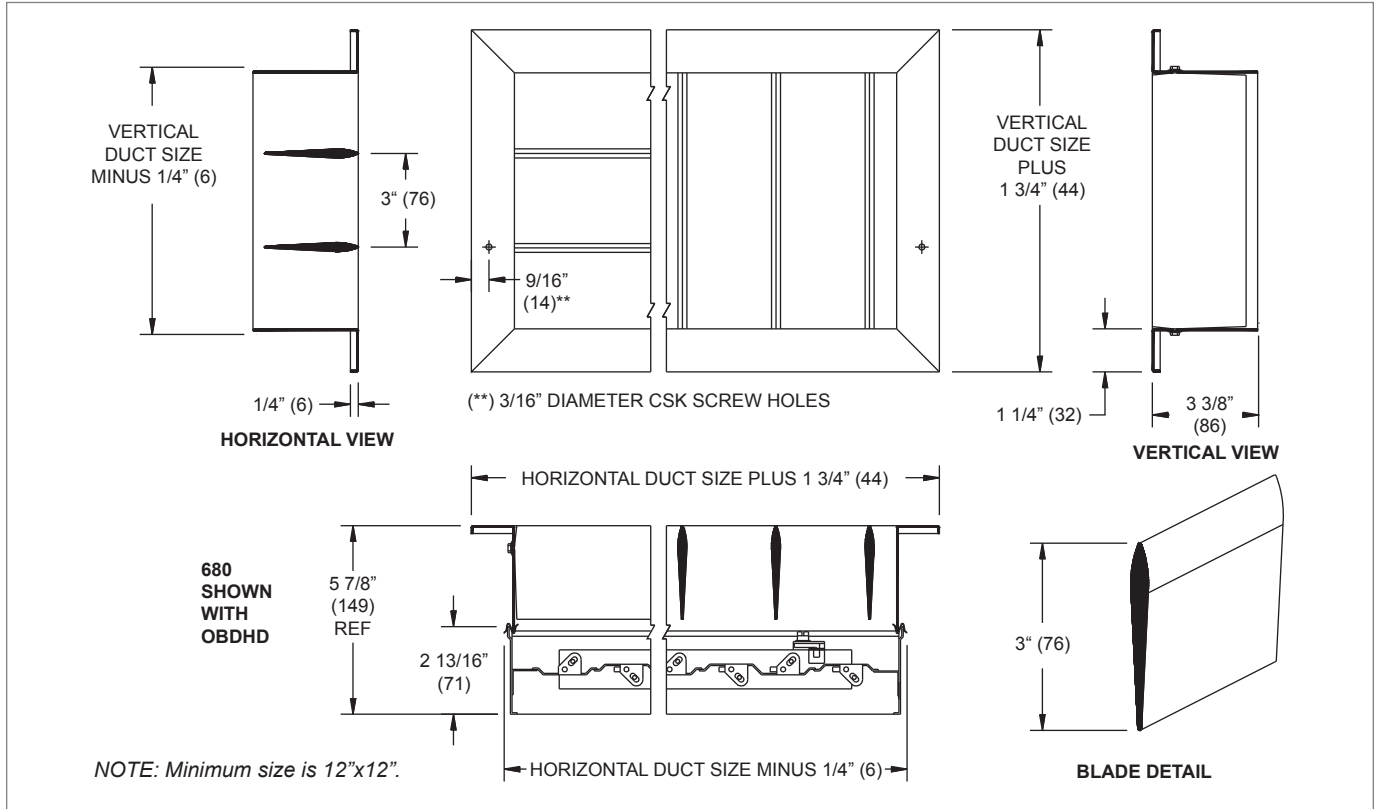
NOTE: Dimensions in parentheses are mm.

INDUSTRIAL GRILLES

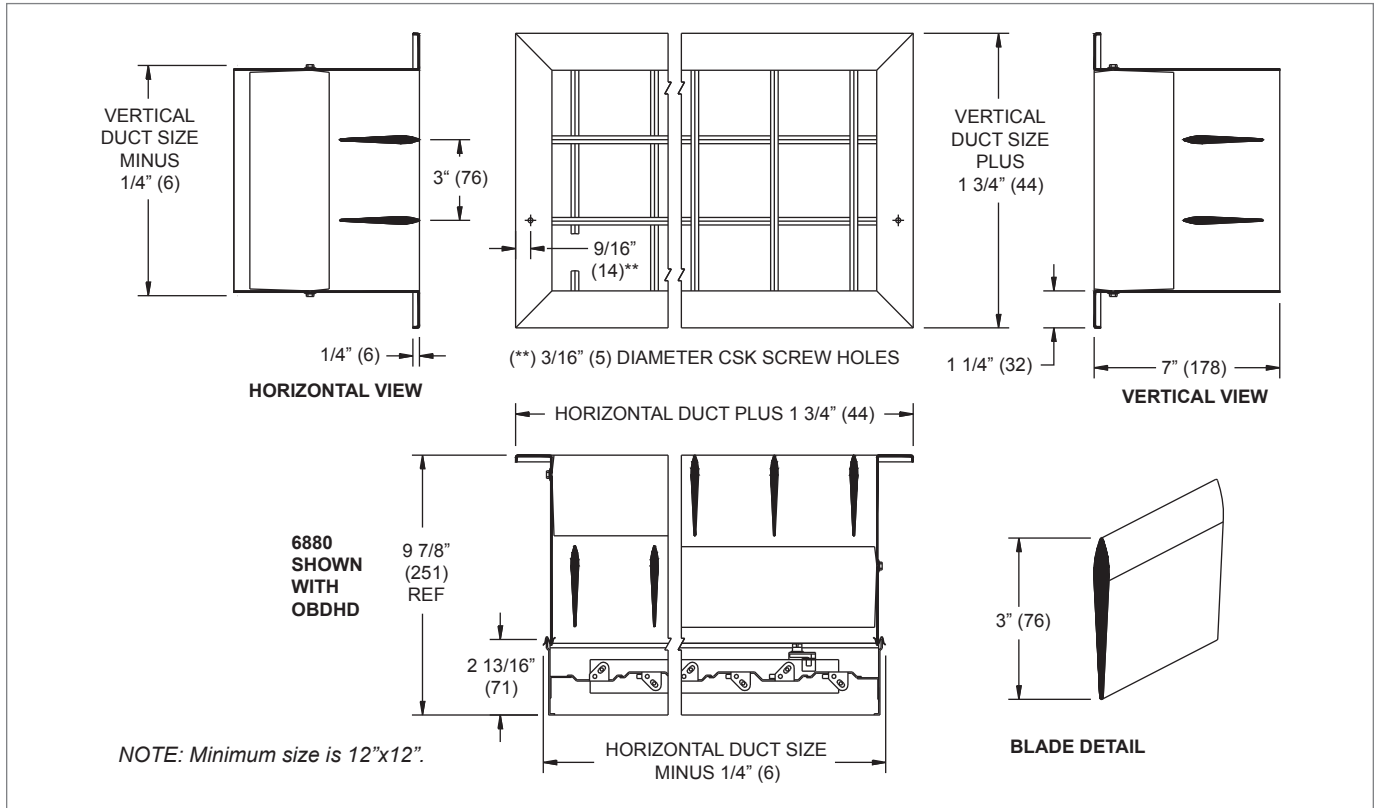
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680, 5680, 6880, 56880 Dimensional Data

680, 5680, 3" BLADE SPACING: FACE VIEW, SIDE VIEW, CROSS SECTIONS, & BLADE DETAIL



6880, 56880, 3" BLADE SPACING: FACE VIEW, SIDE VIEW, CROSS SECTIONS, & BLADE DETAIL



NOTE: Dimensions in parentheses are mm.

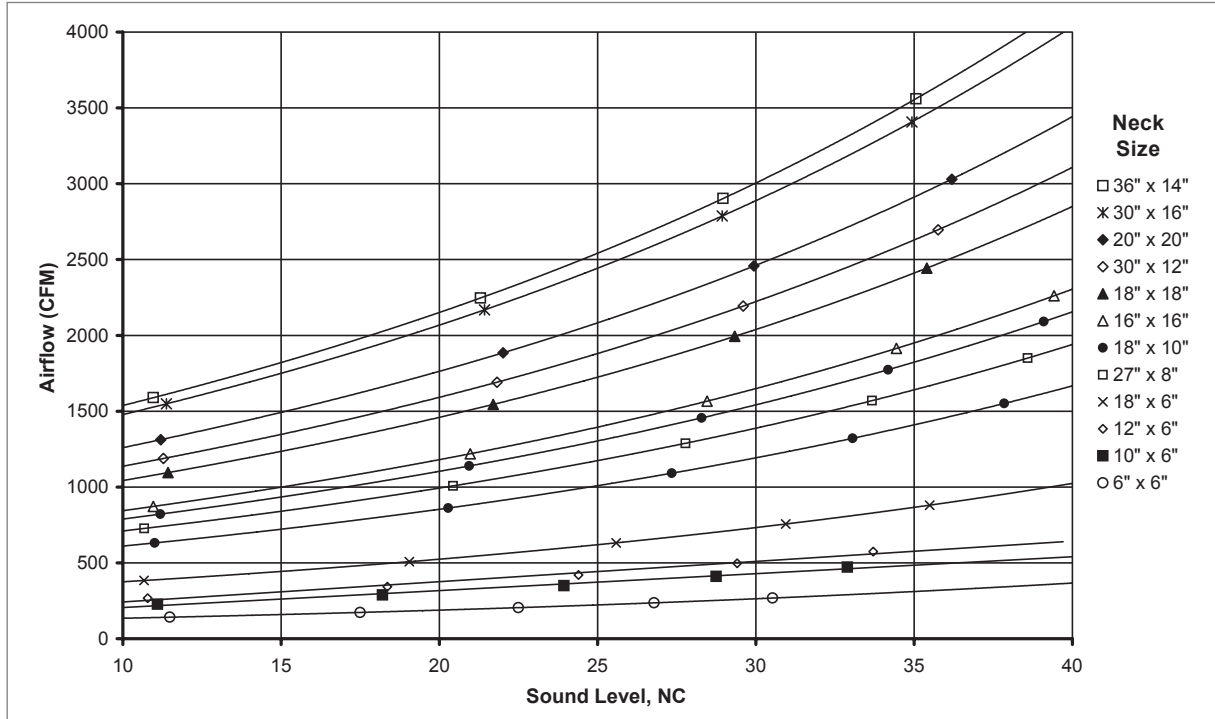
INDUSTRIAL GRILLES

680 - 5680 - 6880 - 56880 M P

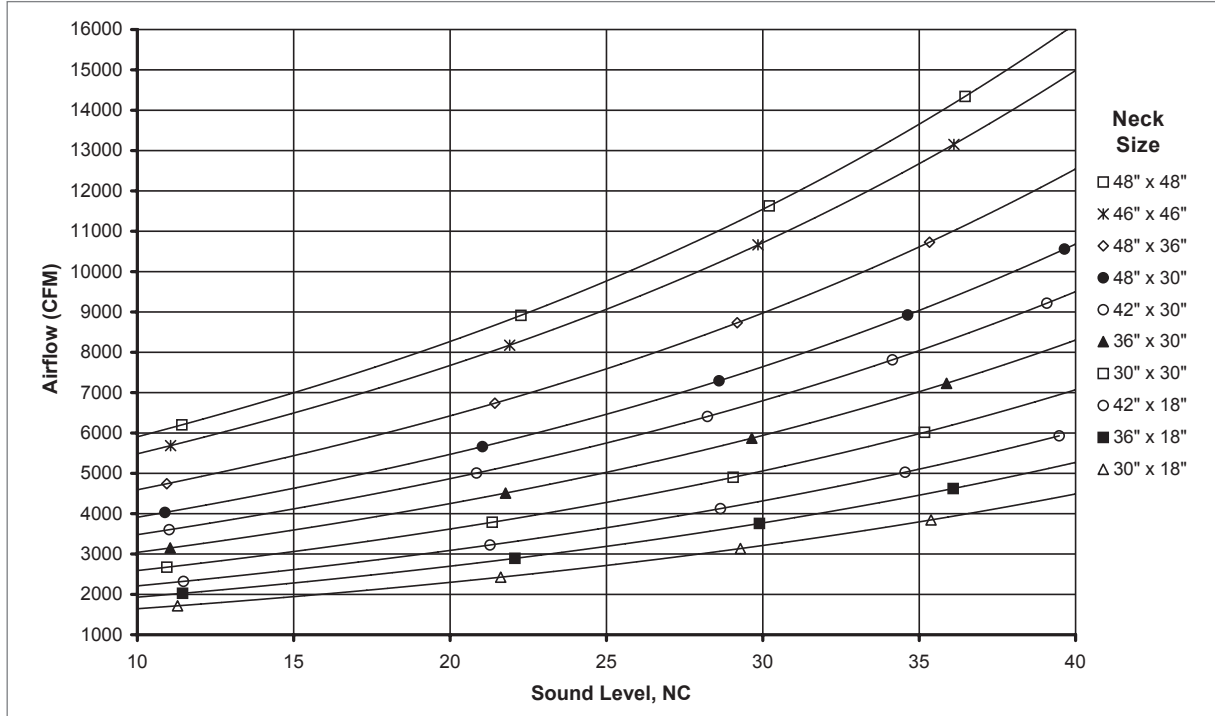
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680, 5680, 6880, 56880 Reference Charts

AIRFLOW VS. NC LEVEL: 680, 5680, 6880, 56880, 1 1/4" BLADE SPACING (NO DAMPER)

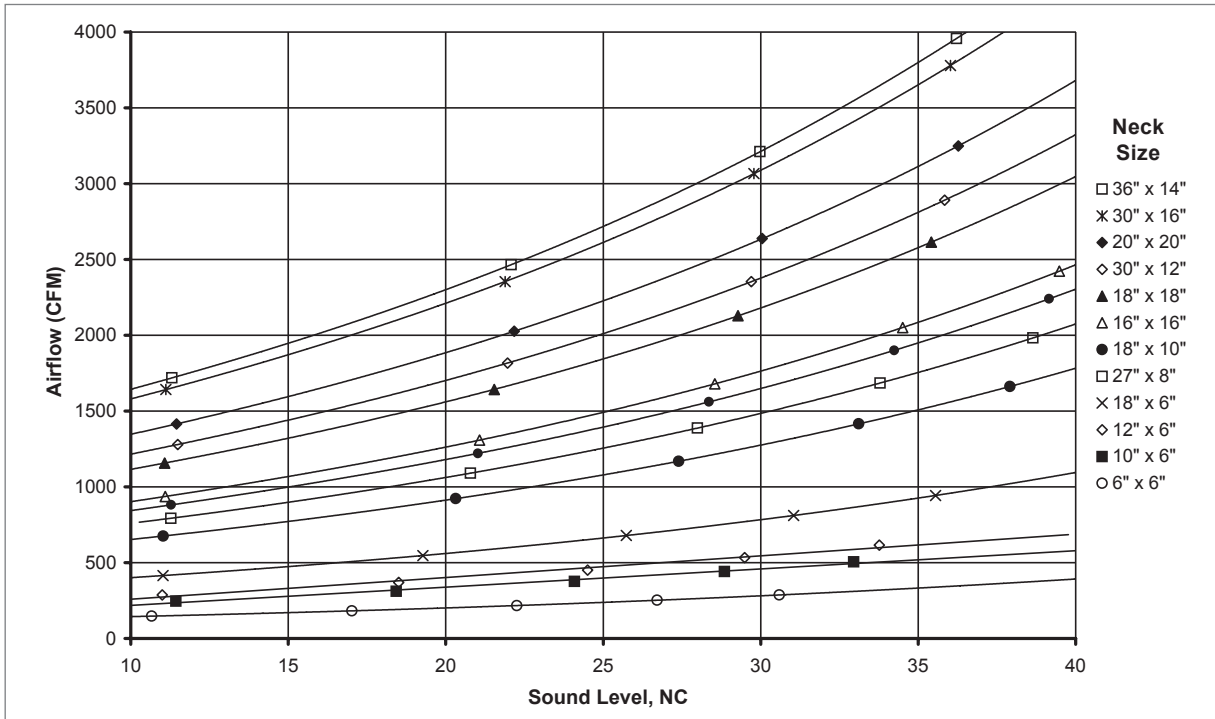
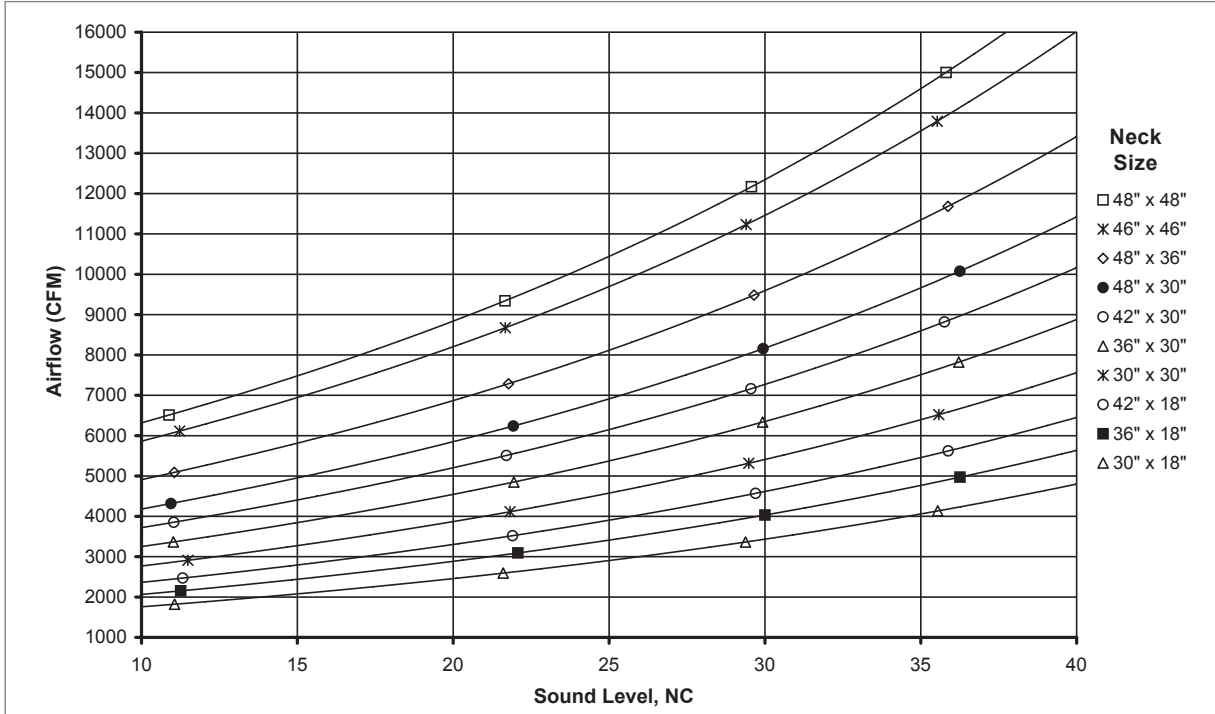


AIRFLOW VS. NC LEVEL: 680, 5680, 6880, 56880, 1 1/4" BLADE SPACING (NO DAMPER)



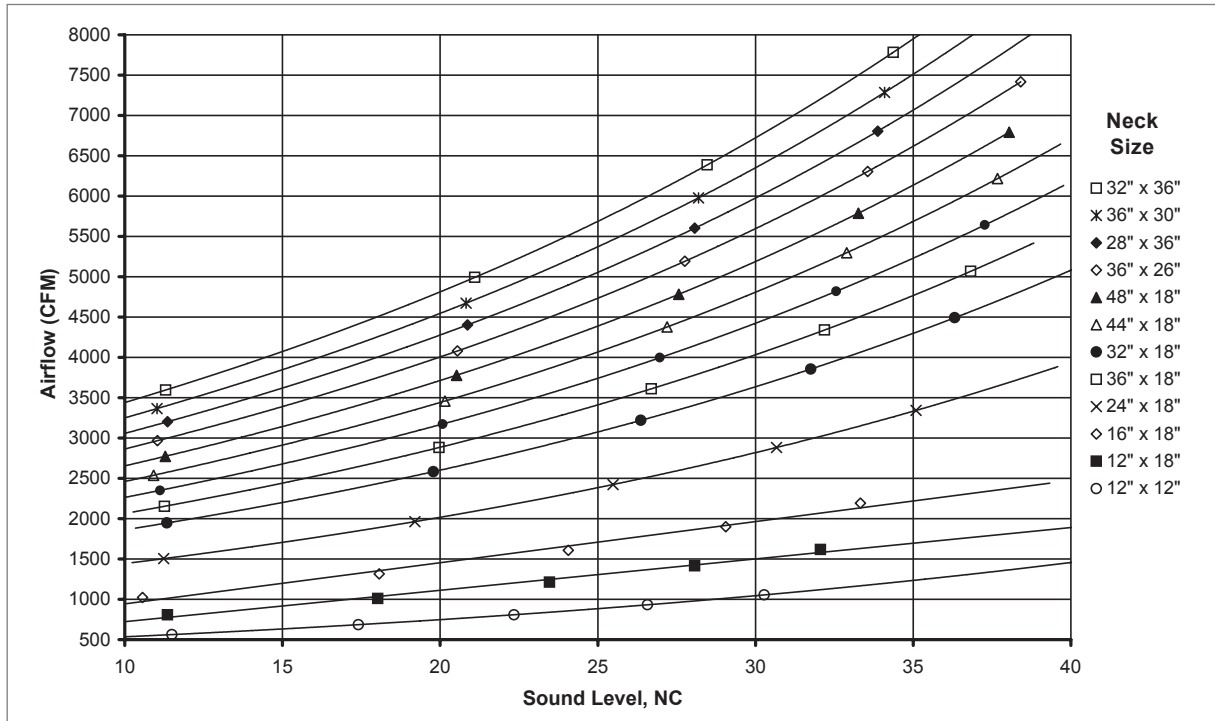
INDUSTRIAL GRILLES

680 - 5680 - 6880 - 56880

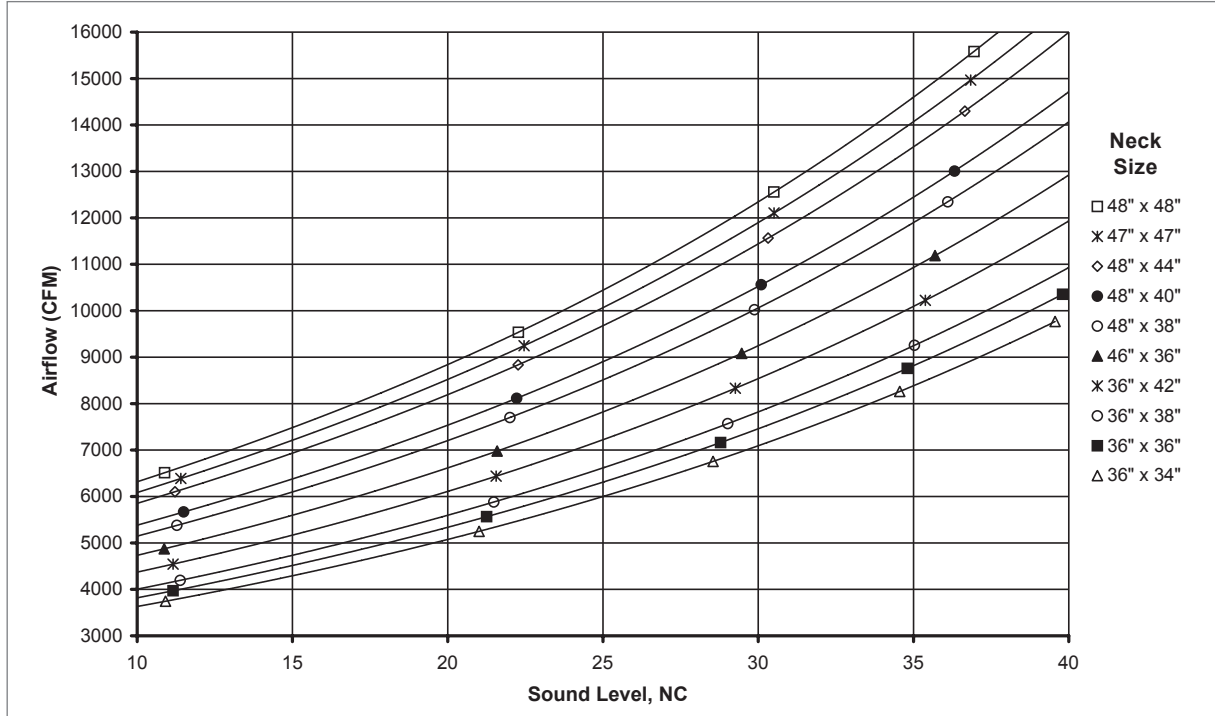
680, 5680, 6880, 56880 Reference Charts
AIRFLOW VS. NC LEVEL: 680, 5680, 6880, 56880, 2" BLADE SPACING (NO DAMPER)

AIRFLOW VS. NC LEVEL: 680, 5680, 6880, 56880, 2" BLADE SPACING (NO DAMPER)


680, 5680, 6880, 56880 Reference Charts

AIRFLOW VS. NC LEVEL: 680, 5680, 6880, 56880, 3" BLADE SPACING (NO DAMPER)



AIRFLOW VS. NC LEVEL: 680, 5680, 6880, 56880, 3" BLADE SPACING (NO DAMPER)



INDUSTRIAL GRILLES

680 - 5680 - 6880 - 56880

680, 5680, 6880, 56880 Performance Data: Horizontal Throw

IP DATA: 680, 5680, 6880, 56880, 1 1/4" BLADE SPACING (NO DAMPER)

Nom Duct	Duct Area	Neck Vel	Air Flow	0°		15°		30°		NC	Octave Band, dB					
				Pt	Throw	Pt	Throw	Pt	Throw		2	3	4	5	6	7
				"WG	ft	"WG	ft	"WG	ft							
6" x 6"	0.250	740	142	.080	14 - 21 - 29	.102	12 - 19 - 26	.147	11 - 16 - 24	11	31	29	27	21	16	-
		905	173	.120	18 - 23 - 32	.153	15 - 21 - 29	.220	13 - 19 - 26	17	37	34	32	28	23	11
		1070	205	.167	20 - 25 - 35	.214	18 - 22 - 32	.308	16 - 20 - 29	22	41	39	37	34	30	17
		1235	236	.223	22 - 27 - 38	.285	20 - 24 - 34	.410	18 - 22 - 31	27	45	42	41	38	36	23
		1400	268	.286	23 - 28 - 40	.367	21 - 26 - 36	.527	19 - 23 - 33	31	48	46	45	42	40	28
10" x 6"	0.420	675	228	.067	17 - 26 - 37	.085	15 - 23 - 33	.123	13 - 19 - 30	11	31	29	27	21	15	-
		856	289	.107	22 - 29 - 42	.137	19 - 27 - 38	.197	16 - 24 - 34	18	38	35	33	29	24	11
		1038	350	.157	26 - 32 - 46	.201	23 - 29 - 41	.290	20 - 27 - 37	24	43	40	39	35	31	18
		1219	411	.217	29 - 35 - 50	.278	26 - 32 - 45	.400	23 - 29 - 41	29	47	44	43	40	37	25
		1400	472	.286	31 - 38 - 53	.367	28 - 34 - 48	.527	25 - 31 - 44	33	51	48	47	45	43	30
12" x 6"	0.500	650	267	.062	19 - 28 - 40	.079	16 - 24 - 36	.114	14 - 21 - 33	11	31	29	26	20	14	-
		838	344	.102	24 - 32 - 45	.131	21 - 29 - 41	.189	18 - 26 - 37	18	38	36	34	29	24	11
		1025	420	.153	29 - 35 - 50	.196	25 - 32 - 45	.283	22 - 29 - 41	24	43	41	39	35	32	19
		1213	497	.215	32 - 39 - 55	.275	29 - 35 - 49	.395	26 - 32 - 45	29	48	45	44	41	38	25
		1400	574	.286	34 - 41 - 59	.367	31 - 38 - 53	.527	28 - 34 - 48	34	52	49	48	46	44	31
18" x 6"	0.750	610	384	.054	22 - 32 - 48	.070	19 - 28 - 43	.100	16 - 24 - 39	11	31	29	26	20	13	-
		808	508	.095	29 - 39 - 55	.122	25 - 35 - 50	.175	21 - 32 - 45	19	39	36	34	29	24	11
		1005	632	.147	36 - 44 - 62	.189	31 - 39 - 56	.272	26 - 36 - 50	26	45	42	41	37	33	20
		1203	756	.211	39 - 48 - 67	.270	35 - 43 - 61	.389	32 - 39 - 55	31	50	47	46	43	40	27
		1400	880	.286	42 - 51 - 73	.367	38 - 46 - 66	.527	34 - 42 - 59	35	54	51	50	48	46	33
18" x 10"	1.250	570	632	.047	27 - 40 - 62	.061	23 - 35 - 56	.087	20 - 30 - 50	11	32	30	27	20	13	-
		778	862	.088	36 - 51 - 72	.113	31 - 46 - 65	.163	27 - 41 - 59	20	40	38	36	31	25	12
		985	1091	.142	46 - 57 - 81	.181	40 - 52 - 73	.261	34 - 47 - 66	27	47	44	43	38	34	22
		1193	1321	.208	51 - 63 - 89	.266	46 - 57 - 81	.383	42 - 52 - 73	33	52	49	48	45	42	29
		1400	1551	.286	56 - 68 - 96	.367	50 - 62 - 87	.527	46 - 56 - 79	38	56	53	53	50	48	35
27" x 8"	1.500	550	727	.044	28 - 42 - 66	.057	24 - 36 - 60	.081	21 - 31 - 54	11	32	30	27	20	12	-
		763	1008	.085	39 - 55 - 78	.109	34 - 50 - 70	.156	29 - 44 - 64	20	41	38	36	31	25	12
		975	1289	.139	50 - 62 - 88	.178	43 - 56 - 80	.256	37 - 51 - 72	28	47	45	43	39	35	22
		1188	1569	.206	56 - 69 - 97	.264	51 - 62 - 88	.379	45 - 56 - 79	34	52	50	49	45	42	30
		1400	1850	.286	61 - 74 - 105	.367	55 - 67 - 95	.527	50 - 61 - 86	39	57	54	53	51	49	36
16" x 16"	1.778	540	872	.043	31 - 46 - 72	.055	26 - 40 - 65	.078	23 - 34 - 59	11	32	30	27	20	13	-
		755	1219	.083	43 - 60 - 85	.107	37 - 55 - 77	.153	32 - 48 - 70	21	41	39	37	31	26	13
		970	1567	.137	55 - 68 - 97	.176	47 - 62 - 88	.253	41 - 56 - 79	28	48	45	44	40	35	23
		1185	1914	.205	62 - 76 - 107	.263	56 - 69 - 97	.378	50 - 62 - 88	34	53	50	49	46	43	30
		1400	2261	.286	67 - 82 - 116	.367	61 - 74 - 105	.527	55 - 67 - 95	39	58	55	54	52	50	37
18" x 18"	2.250	530	1095	.041	34 - 51 - 81	.053	29 - 44 - 73	.076	25 - 38 - 66	11	33	31	28	21	13	-
		748	1545	.082	48 - 68 - 96	.104	41 - 62 - 87	.150	36 - 53 - 79	22	42	40	37	32	26	13
		965	1994	.136	62 - 77 - 109	.174	53 - 70 - 99	.251	46 - 63 - 89	29	49	46	45	40	36	24
		1183	2444	.204	70 - 86 - 121	.261	63 - 77 - 109	.376	56 - 70 - 99	35	54	51	50	47	44	31
		1400	2893	.286	76 - 93 - 132	.367	69 - 84 - 119	.527	62 - 76 - 108	40	59	56	55	53	51	38
30" x 12"	2.500	520	1188	.039	35 - 53 - 84	.051	30 - 45 - 76	.073	25 - 39 - 69	11	33	31	27	20	13	-
		740	1691	.080	50 - 71 - 101	.102	43 - 64 - 91	.147	37 - 56 - 82	22	42	40	38	32	26	14
		960	2194	.135	65 - 81 - 115	.172	56 - 73 - 104	.248	48 - 66 - 94	30	49	47	45	41	37	24
		1180	2696	.203	73 - 90 - 127	.260	66 - 81 - 115	.375	59 - 74 - 104	36	55	52	51	48	45	32
		1400	3199	.286	80 - 98 - 138	.367	72 - 89 - 125	.527	65 - 80 - 113	41	59	56	56	53	51	39
20" x 20"	2.778	510	1312	.038	36 - 55 - 89	.049	31 - 47 - 80	.070	26 - 41 - 73	11	33	31	27	20	12	-
		733	1885	.078	52 - 75 - 106	.100	45 - 68 - 96	.144	39 - 58 - 87	22	42	40	38	32	27	14
		955	2458	.133	68 - 86 - 121	.171	59 - 78 - 110	.245	51 - 70 - 99	30	50	47	45	41	37	24
		1178	3030	.202	78 - 95 - 135	.259	70 - 86 - 122	.373	63 - 78 - 110	36	55	52	51	48	45	32
		1400	3603	.286	85 - 104 - 147	.367	77 - 94 - 133	.527	69 - 85 - 120	41	60	57	56	54	52	39
30" x 16"	3.333	500	1549	.037	39 - 59 - 96	.047	34 - 51 - 87	.067	27 - 44 - 79	11	33	31	28	20	12	-
		700	2168	.072	55 - 81 - 114	.092	47 - 71 - 103	.132	41 - 61 - 93	21	42	40	37	32	26	13
		900	2788	.118	71 - 91 - 129	.151	61 - 83 - 117	.218	53 - 75 - 106	29	49	46	44	40	35	23
		1100	3407	.177	82 - 101 - 143	.226	74 - 91 - 129	.326	64 - 83 - 117	35	54	51	50	47	43	30
		1300	4027	.247	90 - 110 - 155	.316	81 - 99 - 141	.455	73 - 90 - 127	40	59	56	55	52	50	37

NOTES: Throw values are given for terminal velocities of 150, 100, and 50 FPM. 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. See Krueger's selection program for performance data not shown, including octave band data.

680, 5680, 6880, 56880 | Industrial Airfoil

680, 5680, 6880, 56880 Performance Data: Horizontal Throw

IP DATA: 680, 5680, 6880, 56880, 1 1/4" BLADE SPACING (NO DAMPER)

Nom Duct in	Duct Area ft ²	Neck Vel FPM	Air Flow CFM	0°		15°		30°		NC	Octave Band, dB					
				Pt	Throw	Pt	Throw	Pt	Throw		2	3	4	5	6	7
				"WG	ft	"WG	ft	"WG	ft							
36" x 14"	3.500	490	1589	.035	39 - 59 - 98	.045	34 - 51 - 88	.065	27 - 44 - 80	11	33	31	27	20	12	-
		693	2246	.070	56 - 82 - 116	.090	48 - 72 - 105	.129	41 - 62 - 95	21	42	40	37	31	25	12
		895	2903	.117	72 - 93 - 132	.150	62 - 84 - 119	.215	53 - 76 - 108	29	49	46	44	40	35	23
		1098	3560	.176	84 - 103 - 146	.225	76 - 93 - 132	.324	66 - 85 - 120	35	54	52	50	47	43	31
		1300	4217	.247	92 - 112 - 159	.316	83 - 102 - 144	.455	75 - 92 - 130	40	59	56	55	52	50	37
30" x 18"	3.750	490	1717	.035	41 - 61 - 101	.045	35 - 53 - 92	.065	28 - 46 - 83	11	33	31	28	20	12	-
		693	2426	.070	58 - 85 - 121	.090	50 - 75 - 109	.129	43 - 64 - 99	22	42	40	37	32	26	13
		895	3136	.117	75 - 97 - 137	.150	64 - 88 - 124	.215	56 - 79 - 112	29	49	47	45	40	36	23
		1098	3846	.176	88 - 107 - 152	.225	79 - 97 - 137	.324	68 - 88 - 124	35	55	52	51	47	44	31
		1300	4555	.247	95 - 117 - 165	.316	86 - 106 - 149	.455	78 - 96 - 135	40	59	56	55	53	50	37
36" x 18"	4.500	480	2027	.034	44 - 66 - 110	.043	37 - 57 - 100	.062	29 - 49 - 90	11	33	31	28	20	12	-
		685	2893	.069	63 - 93 - 132	.088	54 - 81 - 119	.126	47 - 70 - 108	22	43	40	38	32	26	13
		890	3758	.116	82 - 106 - 150	.148	70 - 96 - 136	.213	61 - 87 - 123	30	50	47	45	41	36	23
		1095	4624	.175	96 - 118 - 166	.224	87 - 106 - 151	.323	75 - 96 - 136	36	55	53	51	48	44	32
		1300	5489	.247	105 - 128 - 181	.316	95 - 116 - 164	.455	86 - 105 - 148	41	60	57	56	53	51	38
42" x 18"	5.250	470	2322	.032	47 - 70 - 118	.041	39 - 60 - 107	.059	31 - 52 - 97	11	34	31	28	20	12	-
		653	3224	.062	65 - 97 - 139	.080	56 - 84 - 126	.115	48 - 72 - 114	21	42	40	37	31	25	12
		835	4126	.102	83 - 111 - 157	.130	71 - 101 - 142	.188	62 - 91 - 129	29	49	46	44	39	34	22
		1018	5028	.151	100 - 123 - 174	.194	87 - 111 - 157	.279	75 - 100 - 142	35	54	51	50	46	42	29
		1200	5930	.210	109 - 133 - 188	.269	98 - 121 - 171	.387	88 - 109 - 154	39	58	56	55	51	49	36
30" x 30"	6.250	450	2674	.030	48 - 73 - 127	.038	39 - 63 - 115	.054	31 - 55 - 104	11	33	31	28	20	11	-
		638	3788	.059	69 - 104 - 151	.076	60 - 90 - 136	.109	52 - 77 - 123	21	42	40	37	31	25	12
		825	4902	.099	90 - 121 - 171	.127	77 - 110 - 155	.183	67 - 99 - 140	29	49	47	45	40	35	22
		1013	6016	.150	110 - 134 - 190	.192	95 - 121 - 172	.276	82 - 110 - 155	35	55	52	51	47	43	30
		1200	7130	.210	119 - 146 - 207	.269	108 - 132 - 187	.387	97 - 120 - 169	40	59	56	55	52	49	37
36" x 30"	7.500	440	3150	.028	50 - 79 - 137	.036	41 - 68 - 124	.052	32 - 59 - 112	11	33	31	28	20	11	-
		630	4511	.058	75 - 113 - 164	.074	65 - 97 - 149	.107	56 - 84 - 135	22	43	41	38	32	25	12
		820	5871	.098	98 - 133 - 188	.126	84 - 120 - 170	.181	73 - 109 - 154	30	50	47	45	40	35	23
		1010	7232	.149	120 - 147 - 208	.191	104 - 133 - 188	.274	90 - 121 - 170	36	55	53	51	47	43	31
		1200	8592	.210	131 - 160 - 227	.269	119 - 145 - 205	.387	106 - 131 - 186	41	60	57	56	53	50	37
42" x 30"	8.750	430	3603	.027	52 - 83 - 147	.035	42 - 72 - 133	.050	33 - 62 - 120	11	33	31	28	20	11	-
		598	5006	.052	77 - 116 - 173	.067	66 - 100 - 157	.096	57 - 86 - 142	21	42	40	37	31	24	11
		765	6410	.085	99 - 139 - 196	.109	85 - 125 - 177	.157	73 - 110 - 160	28	49	46	44	39	33	20
		933	7813	.127	120 - 153 - 216	.163	104 - 138 - 196	.234	89 - 125 - 177	34	54	51	50	45	41	28
		1100	9217	.177	136 - 166 - 235	.226	122 - 150 - 213	.326	106 - 136 - 192	39	58	56	54	51	47	35
48" x 30"	10.000	420	4031	.026	53 - 87 - 155	.033	43 - 75 - 141	.047	34 - 65 - 127	11	33	31	28	20	11	-
		590	5663	.051	81 - 122 - 184	.065	70 - 105 - 167	.094	61 - 91 - 151	21	42	40	37	31	24	11
		760	7294	.084	105 - 148 - 209	.108	91 - 134 - 189	.155	78 - 117 - 171	29	49	47	45	39	34	21
		930	8926	.126	128 - 163 - 231	.162	111 - 148 - 209	.233	95 - 134 - 189	35	55	52	50	46	42	29
		1100	10557	.177	145 - 178 - 251	.226	131 - 161 - 228	.326	113 - 146 - 206	40	59	56	55	51	48	35
48" x 36"	12.000	410	4742	.025	56 - 93 - 169	.031	45 - 80 - 153	.045	36 - 69 - 138	11	34	32	28	20	-	-
		583	6737	.050	88 - 132 - 201	.063	76 - 114 - 182	.091	66 - 98 - 165	21	43	41	38	31	24	11
		755	8733	.083	114 - 162 - 229	.107	99 - 146 - 207	.153	85 - 128 - 187	29	50	47	45	40	34	21
		928	10728	.126	141 - 179 - 253	.161	121 - 162 - 229	.231	105 - 147 - 208	35	55	53	51	47	42	29
		1100	12723	.177	159 - 195 - 276	.226	144 - 177 - 250	.326	124 - 160 - 226	40	60	57	56	52	49	36
46" x 46"	14.694	400	5688	.023	59 - 101 - 185	.030	47 - 87 - 167	.043	38 - 75 - 150	11	34	32	28	20	-	-
		575	8176	.048	97 - 145 - 221	.062	83 - 125 - 200	.089	72 - 108 - 181	22	43	41	38	32	25	12
		750	10664	.082	126 - 179 - 253	.105	109 - 162 - 229	.151	94 - 141 - 207	30	51	48	46	40	35	22
		925	13153	.125	156 - 198 - 281	.160	134 - 180 - 254	.230	116 - 163 - 230	36	56	54	52	47	43	30
		1100	15641	.177	177 - 216 - 306	.226	159 - 196 - 277	.326	137 - 177 - 251	41	61	58	57	53	50	37
48" x 48"	16.000	400	6202	.023	61 - 105 - 193	.030	50 - 91 - 174	.043	39 - 78 - 157	11	34	32	28	20	11	-
		575	8915	.048	101 - 151 - 231	.062	87 - 131 - 209	.089	75 - 113 - 189	22	44	42	39	32	25	12
		750	11628	.082	132 - 187 - 264	.105	114 - 169 - 239	.151	98 - 147 - 216	30	51	48	46	41	35	22
		925	14341	.125	162 - 207 - 293	.160	140 - 188 - 265	.230	121 - 170 - 240	36	56	54	52	48	43	31
		1100	17054	.177	185 - 226 - 320	.226	167 - 205 - 289	.326	144 - 185 - 262	42	61	58	57	54	50	37

NOTES: Throw values are given for terminal velocities of 150, 100, and 50 FPM. 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. See Krueger's selection program for performance data not shown, including octave band data.

INDUSTRIAL GRILLES

680 - 5680 - 6880 - 56880

680, 5680, 6880, 56880 Performance Data: Horizontal Throw
IP DATA: 680, 5680, 6880, 56880, 2" BLADE SPACING (NO DAMPER)

Nom Duct in	Duct Area ft ²	Neck Vel FPM	Air Flow CFM	0°		15°		30°		NC	Octave Band, dB						
				Pt "WG	Throw ft	Pt "WG	Throw ft	Pt "WG	Throw ft		2	3	4	5	6	7	
6" x 6"	0.250	770	147	.082	15 - 21 - 30	.103	13 - 19 - 27	.141	11 - 17 - 24	11	31	28	26	21	15	-	
		953	182	.125	19 - 23 - 33	.157	16 - 21 - 30	.216	14 - 19 - 27	17	36	34	32	28	23	11	
		1135	217	.178	21 - 26 - 36	.223	19 - 23 - 33	.307	16 - 21 - 30	22	41	38	37	34	30	18	
		1318	252	.240	22 - 27 - 39	.300	20 - 25 - 35	.413	18 - 23 - 32	27	45	42	41	38	36	23	
10" x 6"	0.420	1500	287	.311	24 - 29 - 41	.389	22 - 27 - 38	.536	20 - 24 - 34	31	48	45	45	43	41	28	
		730	246	.074	19 - 27 - 38	.092	16 - 24 - 35	.127	14 - 21 - 31	11	32	29	27	21	16	-	
		923	311	.117	24 - 31 - 43	.147	21 - 28 - 39	.203	18 - 25 - 35	18	38	35	33	29	25	12	
		1115	376	.172	27 - 34 - 47	.215	25 - 30 - 43	.296	21 - 27 - 39	24	43	40	39	35	32	19	
12" x 6"	0.500	1308	441	.236	30 - 36 - 51	.296	27 - 33 - 47	.407	24 - 30 - 42	29	47	44	43	41	38	26	
		1500	506	.311	32 - 39 - 55	.389	29 - 35 - 50	.536	26 - 32 - 45	33	51	48	47	45	44	31	
		700	287	.068	20 - 29 - 41	.085	17 - 26 - 38	.117	15 - 22 - 34	11	31	29	26	21	15	-	
		900	369	.112	26 - 33 - 47	.140	22 - 30 - 43	.193	19 - 27 - 39	19	38	35	34	29	25	12	
18" x 6"	0.750	1100	451	.167	30 - 37 - 52	.209	27 - 33 - 47	.288	23 - 30 - 43	25	43	41	39	36	32	20	
		1300	533	.233	33 - 40 - 57	.292	30 - 36 - 51	.402	27 - 33 - 46	29	48	45	44	41	39	26	
		1500	615	.311	35 - 43 - 61	.389	32 - 39 - 55	.536	29 - 35 - 50	34	52	49	48	46	44	32	
		660	415	.060	23 - 35 - 50	.075	20 - 30 - 45	.104	17 - 26 - 41	11	32	29	27	21	14	-	
18" x 10"	1.250	870	547	.104	31 - 40 - 57	.131	27 - 37 - 52	.180	23 - 33 - 47	19	39	36	35	30	25	12	
		1080	679	.161	37 - 45 - 64	.202	33 - 41 - 58	.278	28 - 37 - 52	26	45	42	41	37	33	21	
		1290	811	.230	40 - 49 - 70	.288	36 - 45 - 63	.396	33 - 40 - 57	31	49	47	46	43	40	28	
		1500	943	.311	43 - 53 - 75	.389	39 - 48 - 68	.536	36 - 44 - 62	36	53	50	50	48	46	34	
18" x 10"	1.250	610	676	.051	29 - 43 - 64	.064	25 - 37 - 58	.089	21 - 32 - 52	11	32	30	27	21	14	-	
		833	922	.096	39 - 53 - 74	.120	34 - 48 - 67	.165	29 - 43 - 61	20	40	38	36	31	26	13	
		1055	1169	.154	48 - 59 - 84	.193	43 - 54 - 76	.265	37 - 48 - 69	27	46	44	42	39	35	22	
		1278	1416	.225	53 - 65 - 92	.282	48 - 59 - 83	.388	44 - 53 - 75	33	52	49	48	45	42	30	
27" x 8"	1.500	1500	1662	.311	58 - 71 - 100	.389	52 - 64 - 90	.536	47 - 58 - 82	38	56	53	52	50	49	36	
		600	793	.050	31 - 46 - 69	.062	27 - 40 - 62	.086	23 - 34 - 56	11	32	30	27	21	14	-	
		825	1090	.094	42 - 57 - 81	.118	36 - 52 - 73	.162	31 - 47 - 66	21	41	38	36	31	26	13	
		1050	1388	.152	53 - 64 - 91	.191	46 - 58 - 83	.262	40 - 53 - 75	28	47	44	43	39	36	23	
16" x 16"	1.778	1275	1685	.224	58 - 71 - 100	.281	52 - 64 - 91	.387	47 - 58 - 82	34	52	50	49	46	43	30	
		1500	1982	.311	63 - 77 - 109	.389	57 - 70 - 99	.536	52 - 63 - 89	39	57	54	53	51	49	37	
		580	937	.046	33 - 49 - 75	.058	28 - 43 - 68	.080	24 - 37 - 61	11	32	30	27	20	13	-	
		810	1308	.091	46 - 63 - 89	.114	40 - 57 - 80	.156	34 - 51 - 72	21	41	39	37	32	26	14	
18" x 18"	2.250	1040	1680	.149	58 - 71 - 100	.187	51 - 64 - 91	.257	44 - 58 - 82	29	48	45	44	40	36	23	
		1270	2051	.223	64 - 78 - 111	.279	58 - 71 - 100	.384	52 - 64 - 91	35	53	50	49	47	44	31	
		1500	2423	.311	70 - 85 - 120	.389	63 - 77 - 109	.536	57 - 70 - 99	39	57	55	54	52	50	38	
		560	1157	.043	36 - 54 - 83	.054	31 - 46 - 75	.075	27 - 40 - 68	11	32	30	27	20	13	-	
30" x 12"	2.500	795	1643	.087	51 - 70 - 99	.109	44 - 63 - 90	.150	38 - 57 - 81	22	42	39	37	32	27	14	
		1030	2128	.146	65 - 80 - 113	.184	57 - 72 - 102	.253	49 - 65 - 92	29	49	46	44	41	37	24	
		1265	2614	.221	72 - 88 - 125	.277	65 - 80 - 113	.381	59 - 72 - 102	35	54	51	50	47	45	32	
		1500	3100	.311	79 - 96 - 136	.389	71 - 87 - 123	.536	64 - 79 - 112	41	59	56	55	53	51	39	
20" x 20"	2.778	560	1280	.043	38 - 57 - 88	.054	33 - 49 - 79	.075	28 - 42 - 72	11	33	31	28	21	14	-	
		795	1817	.087	54 - 74 - 104	.109	46 - 67 - 94	.150	40 - 60 - 85	22	42	40	38	32	27	14	
		1030	2354	.146	69 - 84 - 119	.184	60 - 76 - 107	.253	52 - 69 - 97	30	49	46	45	41	37	24	
		1265	2891	.221	76 - 93 - 132	.277	69 - 84 - 119	.381	62 - 76 - 108	36	54	52	51	48	45	33	
30" x 16"	3.333	1500	3428	.311	83 - 101 - 143	.389	75 - 92 - 130	.536	68 - 83 - 117	41	59	56	56	54	52	39	
		550	1415	.042	39 - 59 - 92	.052	34 - 51 - 83	.072	29 - 44 - 75	11	33	31	28	21	13	-	
		788	2027	.086	56 - 78 - 110	.107	49 - 71 - 100	.148	42 - 63 - 90	22	42	40	38	33	27	14	
		1025	2638	.145	73 - 89 - 126	.182	63 - 80 - 114	.250	54 - 73 - 103	30	49	47	45	41	38	25	
30" x 16"	3.333	1263	3249	.220	81 - 99 - 139	.276	73 - 89 - 126	.379	66 - 81 - 114	36	55	52	51	48	46	33	
		1500	3860	.311	88 - 108 - 152	.389	79 - 97 - 138	.536	72 - 88 - 125	41	59	57	56	54	52	40	
		530	1642	.039	42 - 62 - 99	.049	36 - 54 - 90	.067	31 - 46 - 81	11	33	30	27	20	13	-	
		760	2354	.080	60 - 84 - 119	.100	51 - 76 - 107	.137	44 - 67 - 97	22	42	40	38	32	27	14	
		990	3067	.135	78 - 96 - 136	.170	67 - 87 - 123	.233	58 - 78 - 111	30	49	47	45	41	37	24	
		1220	3779	.205	87 - 106 - 150	.258	79 - 96 - 136	.354	71 - 87 - 123	36	55	52	51	48	45	32	
		1450	4492	.290	95 - 116 - 164	.364	86 - 105 - 148	.500	78 - 95 - 134	41	59	57	56	54	52	39	

NOTES: Throw values are given for terminal velocities of 150, 100, and 50 FPM. 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. See Krueger's selection program for performance data not shown, including octave band data.

680, 5680, 6880, 56880 Performance Data: Horizontal Throw
IP DATA: 680, 5680, 6880, 56880, 3" BLADE SPACING (NO DAMPER)

Nom Duct	Duct Area	Neck Vel	Air Flow	0°		15°		30°		NC	Octave Band, dB					
				Pt	Throw	Pt	Throw	Pt	Throw		2	3	4	5	6	7
in	ft²	FPM	CFM	"WG	ft	"WG	ft	"WG	ft							
12" x 12"	1.000	640	563	.054	27 - 40 - 58	.066	23 - 35 - 53	.088	20 - 30 - 48	11	32	30	27	21	15	-
		780	686	.080	33 - 45 - 64	.097	28 - 41 - 58	.130	24 - 36 - 52	17	37	35	33	28	22	-
		920	809	.111	38 - 49 - 70	.135	33 - 45 - 63	.181	29 - 40 - 57	22	42	39	38	33	29	16
		1060	932	.147	43 - 53 - 75	.180	38 - 48 - 68	.240	33 - 43 - 61	27	46	43	42	38	34	21
		1200	1055	.189	46 - 56 - 79	.230	42 - 51 - 72	.308	37 - 46 - 65	30	49	46	45	42	39	26
12" x 18"	1.500	600	809	.047	31 - 47 - 70	.058	27 - 40 - 63	.077	23 - 35 - 57	11	32	30	27	21	14	-
		750	1011	.074	39 - 55 - 78	.090	33 - 50 - 70	.120	29 - 43 - 64	18	38	36	34	28	23	-
		900	1213	.106	47 - 60 - 85	.130	40 - 55 - 77	.173	35 - 49 - 70	23	43	41	39	34	30	17
		1050	1415	.144	53 - 65 - 92	.176	47 - 59 - 83	.236	40 - 53 - 75	28	47	45	43	39	36	23
		1200	1617	.189	57 - 70 - 98	.230	51 - 63 - 89	.308	46 - 57 - 81	32	51	48	47	44	41	28
16" x 18"	2.000	560	1023	.041	34 - 51 - 78	.050	29 - 44 - 71	.067	25 - 38 - 64	11	32	30	27	20	13	-
		720	1315	.068	43 - 63 - 89	.083	37 - 56 - 80	.111	32 - 48 - 73	18	39	36	34	28	22	-
		880	1608	.101	53 - 69 - 98	.124	46 - 63 - 89	.166	39 - 57 - 80	24	44	41	39	35	30	17
		1040	1900	.142	62 - 75 - 107	.173	54 - 68 - 97	.231	47 - 62 - 87	29	48	46	44	40	37	24
		1200	2192	.189	66 - 81 - 115	.230	60 - 73 - 104	.308	54 - 66 - 94	33	52	49	48	45	42	30
24" x 18"	3.000	540	1504	.038	40 - 60 - 95	.047	35 - 52 - 86	.062	30 - 45 - 78	11	33	30	27	20	13	-
		705	1964	.065	52 - 77 - 108	.080	45 - 68 - 98	.106	39 - 58 - 89	19	40	37	35	29	23	-
		870	2423	.099	65 - 85 - 120	.121	56 - 77 - 109	.162	48 - 70 - 99	25	45	43	41	36	32	19
		1035	2883	.140	76 - 93 - 131	.171	66 - 84 - 119	.229	57 - 76 - 108	31	50	47	46	42	38	26
		1200	3342	.189	82 - 100 - 141	.230	74 - 91 - 128	.308	66 - 82 - 116	35	54	51	50	47	44	31
32" x 18"	4.000	520	1947	.035	45 - 67 - 108	.043	39 - 58 - 98	.058	33 - 50 - 88	11	33	31	28	21	13	-
		690	2583	.062	60 - 88 - 124	.076	51 - 77 - 113	.102	44 - 66 - 102	20	41	38	36	30	24	11
		860	3219	.097	74 - 98 - 139	.118	64 - 89 - 126	.158	55 - 80 - 114	26	46	44	42	37	32	20
		1030	3856	.139	88 - 107 - 152	.170	77 - 97 - 138	.227	66 - 88 - 124	32	51	48	47	43	39	27
		1200	4492	.189	95 - 116 - 164	.230	86 - 105 - 148	.308	77 - 95 - 134	36	55	52	51	48	45	33
36" x 18"	4.500	510	2154	.034	47 - 70 - 114	.042	40 - 60 - 103	.056	33 - 52 - 93	11	33	31	28	20	13	-
		683	2882	.061	63 - 93 - 131	.075	54 - 81 - 119	.100	46 - 70 - 108	20	41	38	36	30	24	11
		855	3610	.096	78 - 104 - 147	.117	68 - 94 - 133	.156	58 - 85 - 120	27	47	44	42	38	33	20
		1028	4339	.138	93 - 114 - 161	.169	81 - 103 - 146	.226	70 - 93 - 132	32	52	49	48	44	40	27
		1200	5067	.189	101 - 123 - 174	.230	91 - 111 - 158	.308	82 - 101 - 143	37	56	53	52	49	46	33
44" x 18"	5.500	490	2539	.031	50 - 75 - 123	.038	43 - 64 - 112	.051	34 - 55 - 101	11	33	31	27	20	12	-
		668	3458	.058	68 - 102 - 144	.071	58 - 88 - 130	.095	50 - 76 - 118	20	41	39	36	30	24	11
		845	4378	.094	86 - 114 - 162	.114	74 - 104 - 147	.153	64 - 94 - 133	27	47	45	43	38	33	20
		1023	5298	.137	103 - 126 - 178	.167	89 - 114 - 161	.224	77 - 103 - 146	33	52	50	48	44	41	28
		1200	6217	.189	111 - 136 - 193	.230	101 - 123 - 175	.308	91 - 112 - 158	38	57	54	53	50	47	34
48" x 18"	6.000	490	2773	.031	52 - 78 - 129	.038	45 - 67 - 117	.051	36 - 58 - 106	11	33	31	28	20	12	-
		668	3778	.058	71 - 106 - 150	.071	61 - 92 - 136	.095	53 - 79 - 123	21	41	39	37	31	24	11
		845	4783	.094	90 - 120 - 169	.114	77 - 108 - 153	.153	67 - 98 - 139	28	48	45	43	38	33	21
		1023	5788	.137	107 - 132 - 186	.167	94 - 119 - 168	.224	81 - 108 - 152	33	53	50	49	45	41	28
		1200	6792	.189	116 - 143 - 202	.230	105 - 129 - 183	.308	95 - 117 - 165	38	57	54	53	50	47	34
36" x 26"	6.500	480	2967	.030	53 - 80 - 133	.037	45 - 69 - 121	.049	36 - 59 - 109	11	33	31	28	20	12	-
		660	4079	.057	73 - 110 - 156	.070	63 - 95 - 141	.093	54 - 82 - 128	21	42	39	37	31	24	11
		840	5192	.092	93 - 125 - 176	.113	80 - 113 - 160	.151	69 - 102 - 144	28	48	45	43	39	34	21
		1020	6305	.136	112 - 137 - 194	.166	97 - 124 - 176	.223	84 - 113 - 159	34	53	50	49	45	41	28
		1200	7417	.189	122 - 149 - 211	.230	110 - 135 - 191	.308	99 - 122 - 173	38	57	55	54	50	47	35
28" x 36"	7.000	480	3202	.030	55 - 83 - 138	.037	47 - 71 - 125	.049	37 - 62 - 113	11	33	31	28	20	12	-
		660	4403	.057	76 - 114 - 162	.070	66 - 98 - 147	.093	56 - 85 - 133	21	42	39	37	31	25	12
		840	5603	.092	97 - 130 - 183	.113	83 - 117 - 166	.151	72 - 106 - 150	28	48	46	44	39	34	21
		1020	6804	.136	117 - 143 - 202	.166	101 - 129 - 183	.223	87 - 117 - 165	34	53	51	49	45	42	29
		1200	8005	.189	126 - 155 - 219	.230	114 - 140 - 198	.308	103 - 127 - 179	39	58	55	54	51	48	35
36" x 30"	7.500	470	3365	.029	56 - 84 - 142	.035	46 - 73 - 128	.047	37 - 63 - 116	11	33	31	28	20	12	-
		653	4672	.056	78 - 117 - 167	.068	67 - 101 - 151	.091	58 - 87 - 137	21	42	39	37	31	24	12
		835	5979	.091	100 - 134 - 189	.112	86 - 121 - 171	.149	74 - 110 - 155	28	48	46	44	39	34	21
		1018	7285	.136	121 - 148 - 209	.166	105 - 134 - 189	.222	90 - 121 - 171	34	54	51	50	46	42	29
		1200	8592	.189	131 - 160 - 227	.230	119 - 145 - 205	.308	106 - 131 - 186	39	58	55	54	51	48	35

NOTES: Throw values are given for terminal velocities of 150, 100, and 50 FPM. 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. See Krueger's selection program for performance data not shown, including octave band data.

680, 5680, 6880, 56880 Performance Data: Horizontal Throw

IP DATA: 680, 5680, 6880, 56880, 3" BLADE SPACING (NO DAMPER)

Nom Duct	Duct Area	Neck Vel	Air Flow	0°		15°		30°		NC	Octave Band, dB					
				Pt	Throw	Pt	Throw	Pt	Throw		2	3	4	5	6	7
in	ft ²	FPM	CFM	"WG	ft	"WG	ft	"WG	ft							
32" x 36"	8.000	470	3595	.029	58 - 87 - 147	.035	48 - 75 - 133	.047	38 - 65 - 120	11	33	31	28	20	12	-
		653	4991	.056	80 - 121 - 173	.068	69 - 104 - 156	.091	60 - 90 - 142	21	42	40	37	31	25	12
		835	6388	.091	103 - 138 - 196	.112	89 - 125 - 177	.149	77 - 113 - 160	28	49	46	44	39	34	22
		1018	7784	.136	125 - 153 - 216	.166	108 - 138 - 195	.222	93 - 125 - 177	34	54	51	50	46	42	29
36" x 34"	8.500	460	3744	.028	59 - 88 - 150	.034	47 - 76 - 136	.045	38 - 65 - 123	11	33	31	28	20	11	-
		645	5250	.055	82 - 123 - 177	.067	71 - 106 - 160	.089	61 - 91 - 145	21	42	40	37	31	25	12
		830	6756	.090	106 - 142 - 201	.110	91 - 129 - 182	.147	78 - 116 - 165	29	49	46	44	39	34	22
		1015	8261	.135	128 - 157 - 222	.165	111 - 142 - 201	.220	96 - 129 - 182	35	54	51	50	46	42	29
36" x 36"	9.000	460	3969	.028	60 - 90 - 154	.034	49 - 78 - 140	.045	39 - 67 - 126	11	33	31	28	20	12	-
		645	5566	.055	84 - 127 - 183	.067	73 - 109 - 165	.089	63 - 94 - 150	21	42	40	37	31	25	12
		830	7162	.090	109 - 146 - 207	.110	94 - 133 - 187	.147	81 - 120 - 170	29	49	47	45	40	35	22
		1015	8758	.135	132 - 162 - 229	.165	115 - 147 - 207	.220	99 - 133 - 188	35	54	52	50	46	42	30
36" x 38"	9.500	460	4195	.028	62 - 93 - 158	.034	50 - 80 - 143	.045	40 - 69 - 130	11	34	31	28	20	12	-
		645	5881	.055	87 - 130 - 188	.067	75 - 112 - 170	.089	65 - 97 - 154	21	43	40	38	32	25	12
		830	7568	.090	112 - 151 - 213	.110	96 - 136 - 193	.147	83 - 123 - 174	29	49	47	45	40	35	22
		1015	9255	.135	136 - 166 - 235	.165	118 - 151 - 213	.220	102 - 136 - 193	35	55	52	51	47	43	30
36" x 42"	10.500	450	4544	.027	63 - 96 - 165	.032	51 - 82 - 149	.043	40 - 71 - 135	11	33	31	28	20	12	-
		638	6437	.053	90 - 135 - 196	.065	78 - 117 - 178	.087	67 - 101 - 161	22	43	40	38	32	25	12
		825	8331	.089	117 - 158 - 223	.109	101 - 143 - 202	.146	87 - 129 - 183	29	50	47	45	40	35	22
		1013	10224	.134	143 - 175 - 247	.164	124 - 158 - 224	.219	107 - 143 - 203	35	55	52	51	47	43	30
46" x 36"	11.500	440	4874	.025	63 - 98 - 171	.031	51 - 84 - 155	.041	40 - 73 - 140	11	33	31	28	20	11	-
		630	6978	.052	93 - 140 - 204	.064	81 - 121 - 185	.085	69 - 104 - 167	22	43	40	38	32	25	12
		820	9083	.088	122 - 165 - 233	.108	105 - 149 - 211	.144	90 - 135 - 191	29	50	47	45	40	35	22
		1010	11188	.134	149 - 183 - 259	.163	129 - 166 - 234	.218	111 - 150 - 212	36	55	53	51	47	43	31
48" x 36"	12.000	440	5089	.025	64 - 100 - 175	.031	52 - 86 - 158	.041	41 - 74 - 143	11	33	31	28	20	11	-
		630	7287	.052	96 - 143 - 209	.064	82 - 124 - 189	.085	71 - 107 - 171	22	43	41	38	32	25	12
		820	9484	.088	124 - 169 - 238	.108	107 - 153 - 216	.144	92 - 138 - 195	30	50	47	45	41	35	23
		1010	11682	.134	153 - 187 - 264	.163	132 - 169 - 239	.218	114 - 153 - 217	36	56	53	51	47	44	31
48" x 40"	13.333	440	5667	.025	68 - 106 - 184	.031	55 - 91 - 167	.041	43 - 79 - 151	11	34	32	28	20	12	-
		630	8114	.052	101 - 151 - 220	.064	87 - 130 - 200	.085	75 - 112 - 181	22	43	41	38	32	26	13
		820	10561	.088	131 - 178 - 251	.108	113 - 161 - 228	.144	98 - 146 - 206	30	50	48	46	41	36	23
		1010	13008	.134	161 - 197 - 279	.163	139 - 179 - 253	.218	120 - 162 - 229	36	56	53	52	48	44	31
48" x 44"	14.667	430	6102	.024	68 - 108 - 191	.030	55 - 93 - 173	.040	43 - 81 - 157	11	34	32	28	20	11	-
		623	8834	.051	105 - 157 - 230	.062	90 - 135 - 208	.083	78 - 117 - 188	22	44	41	39	32	26	13
		815	11566	.087	137 - 186 - 263	.106	118 - 168 - 238	.142	102 - 152 - 216	30	51	48	46	41	36	23
		1008	14298	.133	169 - 207 - 293	.162	146 - 187 - 265	.217	126 - 169 - 240	37	56	54	52	48	44	32
47" x 47"	15.340	430	6387	.024	69 - 111 - 196	.030	56 - 96 - 177	.040	44 - 82 - 160	11	34	32	28	20	11	-
		623	9247	.051	107 - 160 - 235	.062	92 - 138 - 213	.083	80 - 119 - 193	22	44	41	39	32	26	13
		815	12106	.087	140 - 190 - 269	.106	121 - 172 - 244	.142	104 - 156 - 221	31	51	48	46	41	36	23
		1008	14966	.133	173 - 212 - 299	.162	149 - 192 - 271	.217	129 - 173 - 245	37	57	54	52	48	45	32
48" x 48"	16.000	420	6512	.023	68 - 111 - 197	.028	55 - 95 - 179	.038	43 - 82 - 162	11	34	31	28	20	11	-
		615	9535	.050	108 - 162 - 239	.061	93 - 140 - 216	.081	80 - 120 - 196	22	44	41	39	32	26	13
		810	12558	.086	142 - 194 - 274	.105	123 - 176 - 248	.140	106 - 159 - 225	31	51	48	46	41	36	23
		1005	15581	.132	176 - 216 - 305	.162	152 - 195 - 276	.216	131 - 177 - 250	37	57	54	53	49	45	32
1200	18605	.189	193 - 236 - 334	.230	174 - 214 - 302	.308	157 - 193 - 273	42	61	59	58	54	51	39		

NOTES: Throw values are given for terminal velocities of 150, 100, and 50 FPM. 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. See Krueger's selection program for performance data not shown, including octave band data.

INDUSTRIAL GRILLES

680 - 5680 - 6880 - 56880

680, 5680, 6880, 56880 Performance Data: Horizontal Throw
METRIC DATA: 680, 5680, 6880, 56880, 2" BLADE SPACING (NO DAMPER)

Nom Duct	Duct Area	Neck Vel	Air Flow	0°		15°		30°		NC	Octave Band, dB					
				Pt	Throw	Pt	Throw	Pt	Throw		2	3	4	5	6	7
mm	m²	m/s	L/s	Pa	m	Pa	m	Pa	m							
152 x 152	0.023	3.91	70	20.4	4.6 - 6.4 - 9.0	25.5	3.9 - 5.8 - 8.2	35.1	3.4 - 5.1 - 7.4	11	31	28	26	21	15	-
		4.84	86	31.2	5.6 - 7.1 - 10.0	39.1	4.9 - 6.4 - 9.1	53.8	4.2 - 5.8 - 8.2	17	36	34	32	28	23	11
		5.77	103	44.3	6.3 - 7.8 - 11.0	55.5	5.7 - 7.0 - 9.9	76.3	5.0 - 6.3 - 9.0	22	41	38	37	34	30	18
		6.69	119	59.6	6.8 - 8.4 - 11.8	74.8	6.2 - 7.6 - 10.7	102.9	5.6 - 6.8 - 9.7	27	45	42	41	38	36	23
		7.62	136	77.3	7.3 - 8.9 - 12.6	96.9	6.6 - 8.1 - 11.4	133.3	6.0 - 7.3 - 10.3	31	48	45	45	43	41	28
254 x 152	0.039	3.71	116	18.3	5.7 - 8.3 - 11.7	23.0	5.0 - 7.4 - 10.6	31.6	4.3 - 6.4 - 9.6	11	32	29	27	21	16	-
		4.69	147	29.2	7.3 - 9.3 - 13.1	36.7	6.3 - 8.4 - 11.9	50.4	5.4 - 7.6 - 10.7	18	38	35	33	29	25	12
		5.66	177	42.7	8.3 - 10.2 - 14.4	53.6	7.5 - 9.2 - 13.1	73.7	6.5 - 8.4 - 11.8	24	43	40	39	35	32	19
		6.64	208	58.7	9.0 - 11.0 - 15.6	73.6	8.2 - 10.0 - 14.1	101.3	7.4 - 9.0 - 12.8	29	47	44	43	41	38	26
		7.62	239	77.3	9.7 - 11.8 - 16.7	96.9	8.7 - 10.7 - 15.1	133.3	7.9 - 9.7 - 13.7	33	51	48	47	45	44	31
305 x 152	0.046	3.56	136	16.8	6.1 - 8.9 - 12.6	21.1	5.2 - 7.9 - 11.4	29.0	4.5 - 6.8 - 10.3	11	31	29	26	21	15	-
		4.57	174	27.8	7.8 - 10.1 - 14.3	34.9	6.7 - 9.1 - 12.9	48.0	5.8 - 8.3 - 11.7	19	38	35	34	29	25	12
		5.59	213	41.6	9.1 - 11.2 - 15.8	52.1	8.2 - 10.1 - 14.3	71.7	7.1 - 9.2 - 12.9	25	43	41	39	36	32	20
		6.60	252	58.1	9.9 - 12.1 - 17.2	72.8	9.0 - 11.0 - 15.5	100.2	8.1 - 9.9 - 14.1	29	48	45	44	41	39	26
		7.62	290	77.3	10.7 - 13.0 - 18.5	96.9	9.6 - 11.8 - 16.7	133.3	8.7 - 10.7 - 15.1	34	52	49	48	46	44	32
457 x 152	0.070	3.35	196	15.0	7.1 - 10.6 - 15.2	18.8	6.1 - 9.2 - 13.7	25.8	5.3 - 7.9 - 12.4	11	32	29	27	21	14	-
		4.42	258	26.0	9.4 - 12.3 - 17.4	32.6	8.1 - 11.1 - 15.7	44.9	7.0 - 10.1 - 14.3	19	39	36	35	30	25	12
		5.49	321	40.1	11.2 - 13.7 - 19.4	50.2	10.0 - 12.4 - 17.5	69.1	8.6 - 11.2 - 15.9	26	45	42	41	37	33	21
		6.55	383	57.2	12.2 - 15.0 - 21.2	71.7	11.1 - 13.6 - 19.2	98.6	10.0 - 12.3 - 17.4	31	49	47	46	43	40	28
		7.62	445	77.3	13.2 - 16.2 - 22.8	96.9	11.9 - 14.6 - 20.7	133.3	10.8 - 13.2 - 18.7	36	53	50	50	48	46	34
457 x 254	0.116	3.10	319	12.8	8.7 - 13.1 - 19.3	16.0	7.5 - 11.3 - 17.5	22.1	6.5 - 9.7 - 15.8	11	32	30	27	21	14	-
		4.23	435	23.8	11.9 - 16.0 - 22.6	29.9	10.2 - 14.5 - 20.4	41.1	8.8 - 13.1 - 18.5	20	40	38	36	31	26	13
		5.36	552	38.2	14.7 - 18.0 - 25.4	47.9	13.0 - 16.3 - 23.0	66.0	11.2 - 14.7 - 20.8	27	46	44	42	39	35	22
		6.49	668	56.1	16.2 - 19.8 - 28.0	70.3	14.6 - 17.9 - 25.3	96.7	13.2 - 16.2 - 22.9	33	52	49	48	45	42	30
		7.62	784	77.3	17.5 - 21.4 - 30.3	96.9	15.8 - 19.4 - 27.5	133.3	14.3 - 17.6 - 24.8	38	56	53	52	50	49	36
686 x 203	0.139	3.05	374	12.4	9.3 - 14.0 - 20.9	15.5	8.1 - 12.1 - 19.0	21.3	7.0 - 10.4 - 17.2	11	32	30	27	21	14	-
		4.19	515	23.4	12.9 - 17.4 - 24.6	29.3	11.1 - 15.7 - 22.2	40.3	9.6 - 14.2 - 20.1	21	41	38	36	31	26	13
		5.33	655	37.9	16.0 - 19.6 - 27.7	47.5	14.1 - 17.7 - 25.1	65.3	12.2 - 16.0 - 22.7	28	47	44	43	39	36	23
		6.48	795	55.9	17.6 - 21.6 - 30.5	70.0	16.0 - 19.5 - 27.6	96.3	14.4 - 17.7 - 25.0	34	52	50	49	46	43	30
		7.62	936	77.3	19.1 - 23.4 - 33.1	96.9	17.3 - 21.2 - 30.0	133.3	15.7 - 19.2 - 27.1	39	57	54	53	51	49	37
406 x 406	0.165	2.95	442	11.6	10.0 - 15.0 - 22.8	14.5	8.6 - 12.9 - 20.6	19.9	7.4 - 11.1 - 18.6	11	32	30	27	20	13	-
		4.11	617	22.5	14.0 - 19.0 - 26.9	28.3	12.0 - 17.2 - 24.4	38.9	10.4 - 15.6 - 22.0	21	41	39	37	32	26	14
		5.28	793	37.2	17.6 - 21.6 - 30.5	46.6	15.4 - 19.5 - 27.6	64.1	13.3 - 17.7 - 25.0	29	48	45	44	40	36	23
		6.45	968	55.4	19.5 - 23.8 - 33.7	69.5	17.6 - 21.6 - 30.5	95.6	15.9 - 19.5 - 27.6	35	53	50	49	47	44	31
		7.62	1143	77.3	21.1 - 25.9 - 36.6	96.9	19.1 - 23.4 - 33.1	133.3	17.3 - 21.2 - 30.0	39	57	55	54	52	50	38
457 x 457	0.209	2.84	546	10.8	10.9 - 16.4 - 25.3	13.5	9.4 - 14.1 - 22.9	18.6	8.1 - 12.2 - 20.7	11	32	30	27	20	13	-
		4.04	775	21.7	15.5 - 21.3 - 30.2	27.2	13.4 - 19.3 - 27.3	37.5	11.5 - 17.3 - 24.7	22	42	39	37	32	27	14
		5.23	1004	36.5	19.8 - 24.3 - 34.3	45.7	17.3 - 22.0 - 31.1	62.9	14.9 - 19.9 - 28.1	29	49	46	44	41	37	24
		6.43	1234	55.0	22.0 - 26.9 - 38.0	68.9	19.9 - 24.3 - 34.4	94.8	18.0 - 22.0 - 31.1	35	54	51	50	47	45	32
		7.62	1463	77.3	23.9 - 29.3 - 41.4	96.9	21.6 - 26.5 - 37.5	133.3	19.6 - 24.0 - 33.9	41	59	56	55	53	51	39
762 x 305	0.232	2.84	604	10.8	11.5 - 17.2 - 26.6	13.5	9.9 - 14.8 - 24.1	18.6	8.5 - 12.8 - 21.8	11	33	31	28	21	14	-
		4.04	857	21.7	16.3 - 22.4 - 31.7	27.2	14.0 - 20.3 - 28.7	37.5	12.1 - 18.2 - 26.0	22	42	40	38	32	27	14
		5.23	1111	36.5	20.8 - 25.5 - 36.1	45.7	18.2 - 23.1 - 32.7	62.9	15.7 - 20.9 - 29.6	30	49	46	45	41	37	24
		6.43	1364	55.0	23.1 - 28.3 - 40.0	68.9	20.9 - 25.6 - 36.2	94.8	18.9 - 23.2 - 32.8	36	54	52	51	48	45	33
		7.62	1618	77.3	25.1 - 30.8 - 43.6	96.9	22.8 - 27.9 - 39.4	133.3	20.6 - 25.2 - 35.7	41	59	56	56	54	52	39
508 x 508	0.258	2.79	668	10.4	12.0 - 17.9 - 28.0	13.0	10.3 - 15.5 - 25.3	17.9	8.9 - 13.3 - 22.9	11	33	31	28	21	13	-
		4.00	956	21.3	17.1 - 23.7 - 33.5	26.7	14.8 - 21.4 - 30.3	36.8	12.7 - 19.1 - 27.4	22	42	40	38	33	27	14
		5.21	1245	36.1	22.1 - 27.0 - 38.2	45.3	19.2 - 24.5 - 34.6	62.3	16.6 - 22.1 - 31.3	30	49	47	45	41	38	25
		6.41	1533	54.8	24.5 - 30.0 - 42.4	68.7	22.2 - 27.1 - 38.4	94.5	20.0 - 24.6 - 34.7	36	55	52	51	48	46	33
		7.62	1822	77.3	26.7 - 32.7 - 46.2	96.9	24.2 - 29.6 - 41.8	133.3	21.9 - 26.8 - 37.9	41	59	57	56	54	52	40
762 x 406	0.310	2.69	775	9.7	12.6 - 19.0 - 30.1	12.1	10.9 - 16.4 - 27.3	16.6	9.4 - 14.1 - 24.7	11	33	30	27	20	13	-
		3.86	1111	19.8	18.1 - 25.5 - 36.1	24.9	15.6 - 23.1 - 32.7	34.2	13.5 - 20.2 - 29.6	22	42	40	38	32	27	14
		5.03	1447	33.7	23.6 - 29.1 - 41.2	42.2	20.4 - 26.4 - 37.3	58.1	17.6 - 23.9 - 33.7	30	49	47	45	41	37	24
		6.20	1784	51.1	26.4 - 32.3 - 45.7	64.1	23.9 - 29.3 - 41.4	88.2	21.6 - 26.5 - 37.5	36	55	52	51	48	45	32
		7.37	2120	72.2	28.8 - 35.3 - 49.9	90.6	26.1 - 31.9 - 45.1	124.6	23.6 - 28.9 - 40.8	41	59	57	56	54	52	39

NOTES: Throw values are given for terminal velocities of 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. See Krueger's selection program for performance data not shown, including octave band data.

680, 5680, 6880, 56880 | Industrial Airfoil

680, 5680, 6880, 56880 Performance Data: Horizontal Throw

METRIC DATA: 680, 5680, 6880, 56880, 3" BLADE SPACING (NO DAMPER)

Nom Duct	Duct Area	Neck Vel	Air Flow	0°		15°		30°		NC	Octave Band, dB					
				Pt	Throw	Pt	Throw	Pt	Throw		2	3	4	5	6	7
mm	m ²	m/s	L/s	Pa	m	Pa	m	Pa	m							
813 x 914	0.743	2.39	1697	7.2	17.6 - 26.4 - 44.6	8.8	14.6 - 22.8 - 40.4	11.8	11.6 - 19.6 - 36.5	11	33	31	28	20	12	-
		3.31	2356	13.9	24.5 - 36.7 - 52.6	17.0	21.1 - 31.6 - 47.6	22.7	18.2 - 27.3 - 43.0	21	42	40	37	31	25	12
		4.24	3015	22.7	31.3 - 42.0 - 59.5	27.8	27.0 - 38.1 - 53.8	37.2	23.3 - 34.4 - 48.7	28	49	46	44	39	34	22
		5.17	3673	33.8	37.9 - 46.4 - 65.6	41.2	32.9 - 42.0 - 59.4	55.2	28.4 - 38.0 - 53.8	34	54	51	50	46	42	29
		6.10	4332	47.0	41.2 - 50.4 - 71.3	57.4	37.2 - 45.6 - 64.5	76.7	33.4 - 41.3 - 58.4	39	58	56	55	51	48	36
914 x 864	0.790	2.34	1767	6.9	17.8 - 26.7 - 45.5	8.4	14.4 - 23.0 - 41.2	11.3	11.4 - 19.8 - 37.3	11	33	31	28	20	11	-
		3.28	2478	13.6	24.9 - 37.4 - 53.9	16.6	21.5 - 32.3 - 48.8	22.2	18.5 - 27.8 - 44.1	21	42	40	37	31	25	12
		4.22	3188	22.5	32.1 - 43.2 - 61.1	27.4	27.7 - 39.1 - 55.3	36.7	23.9 - 35.4 - 50.1	29	49	46	44	39	34	22
		5.16	3899	33.6	39.0 - 47.8 - 67.6	41.0	33.8 - 43.3 - 61.2	54.9	29.2 - 39.2 - 55.4	35	54	51	50	46	42	29
		6.10	4610	47.0	42.4 - 52.0 - 73.5	57.4	38.4 - 47.1 - 66.5	76.7	34.5 - 42.6 - 60.2	40	59	56	55	52	49	36
914 x 914	0.836	2.34	1873	6.9	18.3 - 27.5 - 46.9	8.4	14.9 - 23.7 - 42.4	11.3	11.8 - 20.4 - 38.4	11	33	31	28	20	12	-
		3.28	2627	13.6	25.7 - 38.5 - 55.5	16.6	22.1 - 33.2 - 50.2	22.2	19.1 - 28.6 - 45.5	21	42	40	37	31	25	12
		4.22	3380	22.5	33.0 - 44.5 - 63.0	27.4	28.5 - 40.3 - 57.0	36.7	24.6 - 36.5 - 51.6	29	49	47	45	40	35	22
		5.16	4133	33.6	40.2 - 49.2 - 69.6	41.0	34.8 - 44.6 - 63.0	54.9	30.0 - 40.3 - 57.0	35	54	52	50	46	42	30
		6.10	4887	47.0	43.7 - 53.5 - 75.7	57.4	39.6 - 48.4 - 68.5	76.7	35.5 - 43.8 - 62.0	40	59	56	55	52	49	36
914 x 965	0.883	2.34	1980	6.9	18.8 - 28.2 - 48.2	8.4	15.3 - 24.3 - 43.6	11.3	12.1 - 21.0 - 39.5	11	34	31	28	20	12	-
		3.28	2776	13.6	26.4 - 39.6 - 57.1	16.6	22.8 - 34.1 - 51.6	22.2	19.6 - 29.4 - 46.7	21	43	40	38	32	25	12
		4.22	3572	22.5	34.0 - 45.8 - 64.7	27.4	29.3 - 41.4 - 58.6	36.7	25.3 - 37.5 - 53.0	29	49	47	45	40	35	22
		5.16	4368	33.6	41.3 - 50.6 - 71.6	41.0	35.8 - 45.8 - 64.8	54.9	30.9 - 41.4 - 58.6	35	55	52	51	47	43	30
		6.10	5164	47.0	44.9 - 55.0 - 77.8	57.4	40.7 - 49.8 - 70.4	76.7	36.5 - 45.1 - 63.7	40	59	56	55	52	49	36
914 x 1067	0.975	2.29	2145	6.6	19.0 - 29.1 - 50.1	8.1	15.4 - 25.1 - 45.4	10.8	12.2 - 21.6 - 41.1	11	33	31	28	20	12	-
		3.24	3038	13.3	27.5 - 41.2 - 59.7	16.2	23.7 - 35.5 - 54.0	21.7	20.4 - 30.6 - 48.9	22	43	40	38	32	25	12
		4.19	3932	22.2	35.5 - 48.0 - 67.9	27.1	30.6 - 43.5 - 61.5	36.3	26.4 - 39.3 - 55.6	29	50	47	45	40	35	22
		5.14	4825	33.4	43.4 - 53.2 - 75.2	40.8	37.6 - 48.1 - 68.1	54.6	32.4 - 43.6 - 61.6	35	55	52	51	47	43	30
		6.10	5719	47.0	47.3 - 57.9 - 81.9	57.4	42.8 - 52.4 - 74.1	76.7	38.4 - 47.4 - 67.1	40	60	57	56	53	50	37
1168 x 914	1.068	2.24	2300	6.3	19.1 - 29.8 - 51.9	7.7	15.4 - 25.7 - 47.0	10.3	12.2 - 22.1 - 42.5	11	33	31	28	20	11	-
		3.20	3293	12.9	28.4 - 42.6 - 62.1	15.8	24.5 - 36.8 - 56.2	21.2	21.1 - 31.7 - 50.9	22	43	40	38	32	25	12
		4.17	4287	21.9	37.0 - 50.1 - 70.9	26.8	31.9 - 45.4 - 64.2	35.8	27.5 - 41.1 - 58.1	29	50	47	45	40	35	22
		5.13	5280	33.3	45.4 - 55.6 - 78.7	40.6	39.3 - 50.4 - 71.2	54.4	33.9 - 45.6 - 64.4	36	55	53	51	47	43	31
		6.10	6273	47.0	49.5 - 60.6 - 85.8	57.4	44.8 - 54.9 - 77.6	76.7	40.2 - 49.7 - 70.2	41	60	57	56	53	50	37
1219 x 914	1.115	2.24	2402	6.3	19.5 - 30.4 - 53.1	7.7	15.7 - 26.2 - 48.0	10.3	12.5 - 22.6 - 43.5	11	33	31	28	20	11	-
		3.20	3439	12.9	29.0 - 43.6 - 63.5	15.8	25.0 - 37.6 - 57.5	21.2	21.6 - 32.4 - 52.0	22	43	41	38	32	25	12
		4.17	4476	21.9	37.8 - 51.2 - 72.5	26.8	32.6 - 46.4 - 65.6	35.8	28.1 - 42.0 - 59.3	30	50	47	45	41	35	23
		5.13	5513	33.3	46.4 - 56.9 - 80.4	40.6	40.1 - 51.5 - 72.8	54.4	34.6 - 46.6 - 65.8	36	56	53	51	47	44	31
		6.10	6550	47.0	50.6 - 62.0 - 87.6	57.4	45.8 - 56.1 - 79.3	76.7	41.1 - 50.8 - 71.8	41	60	57	56	53	50	38
1219 x 1016	1.239	2.24	2674	6.3	20.6 - 32.1 - 56.0	7.7	16.6 - 27.7 - 50.7	10.3	13.2 - 23.9 - 45.9	11	34	32	28	20	12	-
		3.20	3829	12.9	30.6 - 46.0 - 67.0	15.8	26.4 - 39.6 - 60.6	21.2	22.8 - 34.2 - 54.9	22	43	41	38	32	26	13
		4.17	4984	21.9	39.9 - 54.1 - 76.5	26.8	34.4 - 48.9 - 69.2	35.8	29.7 - 44.3 - 62.6	30	50	48	46	41	36	23
		5.13	6139	33.3	49.0 - 60.0 - 84.8	40.6	42.4 - 54.3 - 76.8	54.4	36.5 - 49.1 - 69.5	36	56	53	52	48	44	31
		6.10	7294	47.0	53.4 - 65.4 - 92.5	57.4	48.3 - 59.2 - 83.7	76.7	43.4 - 53.6 - 75.7	41	61	58	57	54	51	38
1219 x 1118	1.363	2.18	2880	6.0	20.6 - 32.9 - 58.1	7.4	16.7 - 28.4 - 52.6	9.9	13.2 - 24.5 - 47.6	11	34	32	28	20	11	-
		3.16	4169	12.6	31.8 - 47.7 - 69.9	15.4	27.4 - 41.1 - 63.3	20.6	23.6 - 35.4 - 57.3	22	44	41	39	32	26	13
		4.14	5459	21.7	41.6 - 56.6 - 80.0	26.5	35.9 - 51.2 - 72.4	35.4	30.9 - 46.3 - 65.5	30	51	48	46	41	36	23
		5.12	6748	33.1	51.4 - 62.9 - 89.0	40.4	44.4 - 56.9 - 80.5	54.1	38.2 - 51.5 - 72.8	37	56	54	52	48	44	32
		6.10	8037	47.0	56.1 - 68.6 - 97.1	57.4	50.7 - 62.1 - 87.9	76.7	45.5 - 56.2 - 79.5	42	61	58	57	54	51	38
1194 x 1194	1.425	2.18	3015	6.0	21.1 - 33.7 - 59.5	7.4	17.0 - 29.1 - 53.8	9.9	13.5 - 25.0 - 48.7	11	34	32	28	20	11	-
		3.16	4364	12.6	32.5 - 48.8 - 71.5	15.4	28.0 - 42.1 - 64.7	20.6	24.2 - 36.3 - 58.6	22	44	41	39	32	26	13
		4.14	5714	21.7	42.6 - 57.9 - 81.9	26.5	36.7 - 52.4 - 74.1	35.4	31.7 - 47.4 - 67.0	31	51	48	46	41	36	23
		5.12	7063	33.1	52.5 - 64.4 - 91.0	40.4	45.4 - 58.2 - 82.4	54.1	39.1 - 52.7 - 74.5	37	57	54	52	48	45	32
		6.10	8413	47.0	57.3 - 70.2 - 99.3	57.4	51.9 - 63.6 - 89.9	76.7	46.6 - 57.5 - 81.3	42	61	58	57	54	51	39
1219 x 1219	1.486	2.13	3073	5.8	20.6 - 33.6 - 60.0	7.0	16.6 - 29.0 - 54.3	9.4	13.1 - 25.0 - 49.2	11	34	31	28	20	11	-
		3.12	4500	12.3	32.8 - 49.2 - 72.6	15.1	28.3 - 42.4 - 65.7	20.2	24.4 - 36.6 - 59.5	22	44	41	39	32	26	13
		4.11	5927	21.4	43.2 - 59.0 - 83.4	26.1	37.3 - 53.4 - 75.5	35.0	32.1 - 48.2 - 68.3	31	51	48	46	41	36	23
		5.11	7354	32.9	53.6 - 65.7 - 92.9	40.2	46.2 - 59.4 - 84.0	53.8	39.9 - 53.8 - 76.0	37	57	54	53	49	45	32
		6.10	8780	47.0	58.6 - 71.8 - 101.5	57.4	53.0 - 64.9 - 91.8	76.7	47.6 - 58.8 - 83.1	42	61	59	58	54	51	39

NOTES: Throw values are given for terminal velocities of 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. See Krueger's selection program for performance data not shown, including octave band data.

680, 5680, 6880, 56880 Suggested Specification & Configuration
1. SERIES: (XXXXX)

- 680 - Single Deflection, Extruded Aluminum Blades, Steel Frame, Industrial Supply Grille
- 5680 - Single Deflection, Extruded Aluminum Blades and Frame, Industrial Supply Grille
- 6880 - Double Deflection, Extruded Aluminum Blades, Steel Frame, Industrial Supply Grille
- 56880 - Double Deflection, Extruded Aluminum Blades and Frame, Industrial Supply Grille

2. PATTERN: (XXX)

- H15 - Horizontal, 1 1/4" Blade Spacing
- H20 - Horizontal, 2" Blade Spacing
- H30 - Horizontal, 3" Blade Spacing
- V15 - Vertical, 1 1/4" Blade Spacing
- V20 - Vertical, 2" Blade Spacing
- V30 - Vertical, 3" Blade Spacing

3. WIDTH: (XX)

- 6" - 48" in 1" Increments *

4. HEIGHT: (XX)

- 6" - 48" in 1" Increments *

5. DAMPER: (XX)

- 00 - No Damper
- 14 - Heavy Duty Damper (Model OBDHD)

6. FINISH: (XX)

- 01 - Mill
- 10 - Alumican
- 35 - Black
- 44 - British White

Use multiple sections for larger sizes.

Mounting hardware is to be provided by others.

** Minimum width and height for 3" blade spacing is 12".*

680, 5680

The single deflection industrial supply grille shall be a Krueger model 680/5680. This grille must have individually adjustable blades, held in place with a tensioning wire on 1 1/4", 2", or 3" centers which extend through the frame for added rigidity throughout the entire cataloged CFM range. The blade shall be a solid aluminum extruded airfoil shape design. The frame of the grille shall be constructed of 18 gage steel (680) or extruded aluminum (5680) with screw holes for mounting. This frame must also produce a border of 1 1/4" around all sides of the grille with mitered corners.

6880, 56880

The double deflection industrial supply grille shall be a Krueger model 6880/56880. This grille must have individually adjustable blades, held in place with a tensioning wire on 1 1/4", 2", or 3" centers which extend through the frame for added rigidity throughout the entire cataloged CFM range. The 6880 blades shall be a solid aluminum extruded airfoil shape design. The frame of the grille shall be constructed of 18 gage steel (6880 only) or extruded aluminum (56880 only) with screw holes for mounting. This frame must also produce a border of 1 1/4" around all sides of the grille with mitered corners.

Optional heavy-duty damper shall be available made of heavy gage steel and operable from the face of the supply grille.

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.