

	<p>180/5180 180M/5180M These supply grilles feature individually adjustable curved blades. Available in steel or aluminum construction.</p>		<p>4880 This heavy duty, double deflection, supply grille features 1/2" front and 3/4" back blade spacing. Available in steel construction only.</p>
	<p>80/580 These single deflection supply grilles feature 3/4" blade spacing. Available in steel or aluminum construction.</p>		<p>800/5800 These single deflection, steel supply registers feature a gang-operated rear louver and 3/4" blade spacing. Available in steel or aluminum construction.</p>
	<p>585 This single deflection supply grille features 1/2" blade spacing. Available in aluminum construction only.</p>		<p>AF80/AF580 These single deflection, supply grilles feature airfoil blades at 3/4" spacing. Blades are aluminum construction only with steel or aluminum frame.</p>
	<p>880/5880 These double deflection supply grilles feature 3/4" blade spacing. Available in steel or aluminum construction.</p>		<p>AF880/AF5880 These double deflection, supply grilles feature airfoil blades at 3/4" spacing. Blades are aluminum construction only with steel or aluminum frame.</p>
	<p>5885 This double deflection supply grille features 1/2" blade spacing. Available in aluminum construction only.</p>		<p>5815 This fixed-blade supply grille features a removable, reversible core. Deflection may be set at 5° or 15° up/down. Available in aluminum construction only.</p>
	<p>480 This heavy duty, single deflection, supply grille features 1/2" blade spacing. Available in steel construction only.</p>		

180, 5180, 180M, 5180M

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80, 580, 880, 5880, 585, 5885, 480, 4880, 800, 5800

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AF80, AF580, AF880, AF5880

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5815

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Introduction: 80, 880, 4880, 800 Series —

Krueger offers a wide variety of supply grilles to meet the needs of today's grille applications. The most common single and double deflection Krueger grilles are the 80/580 and 880/5880 series. Both series offer 3/4" blade spacing and a 1 1/4" flange. If 1/2" blade spacing is required, the 585 single deflection or 5885 double deflection grille is available.

Gymnasium applications require grilles that resist accidental abuse from gymnasium equipment, including basketballs and dodge balls impacting the surface of the grilles. Krueger offers the heavy duty 480 single or 4880 double deflection gym supply grille series for this type of application; the 14 gage blades can stand up to the accidental collision of most gymnasium equipment.

Apartment applications have occupants with varying air distribution needs. The occupant has the ability to easily adjust the throw direction of a register. Krueger's 800/5800 multi-louver register is an ideal choice. The multi-louver gang operates a set of rear deflectors allowing for easy adjustments of throw direction and volume.

MODELS

- 80 - Single Deflection Steel Supply Grille, 3/4" Blade Spacing
- 580 - Single Deflection Aluminum Supply Grille, 3/4" Blade Spacing
- 880 - Double Deflection Steel Supply Grille, 3/4" Blade Spacing
- 5880 - Double Deflection Aluminum Supply Grille, 3/4" Blade Spacing
- 585 - Single Deflection Aluminum Supply Grille, 1/2" Blade Spacing
- 5885 - Double Deflection Aluminum Supply Grille, 1/2" Blade Spacing
- 480 - Heavy Duty, Single Deflection Steel, Supply Grille, 1/2" Blade Spacing
- 4880 - Heavy Duty, Double Deflection Steel, Supply Grille, 1/2" Blade Spacing Front Blades, 3/4" Blade Spacing Rear Blades
- 800 - Single Deflection Steel Supply Register with Gang Operated Rear Louver, 3/4" Blade Spacing
- 5800 - Single Deflection Aluminum Supply Register with Gang Operated Rear Louver, 3/4" Blade Spacing

FEATURES

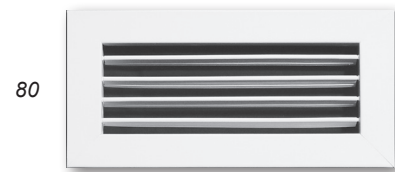
- Horizontal (H) or vertical (V) front blades.
- Fully adjustable blades.

ACCESSORIES

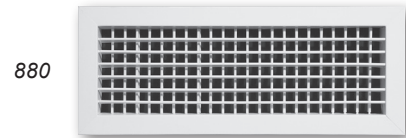
- Steel Opposed Blade Damper (Model OBD)
- Steel Painted Opposed Blade Damper (Model POBD)
- Aluminum Opposed Blade Damper (Model 5OBD)
- Square to Round Adapter (Model SRAC325)
- Plaster Frame (Model 8PF & 58PF)

FINISHES

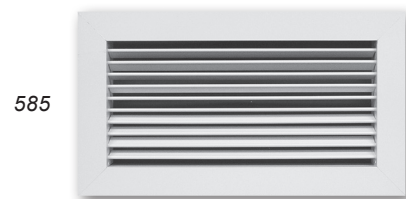
- Standard finish is #44 British White.
- Optional finishes available.



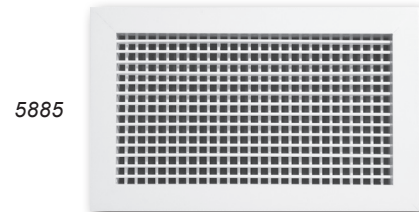
80



880



585



5885

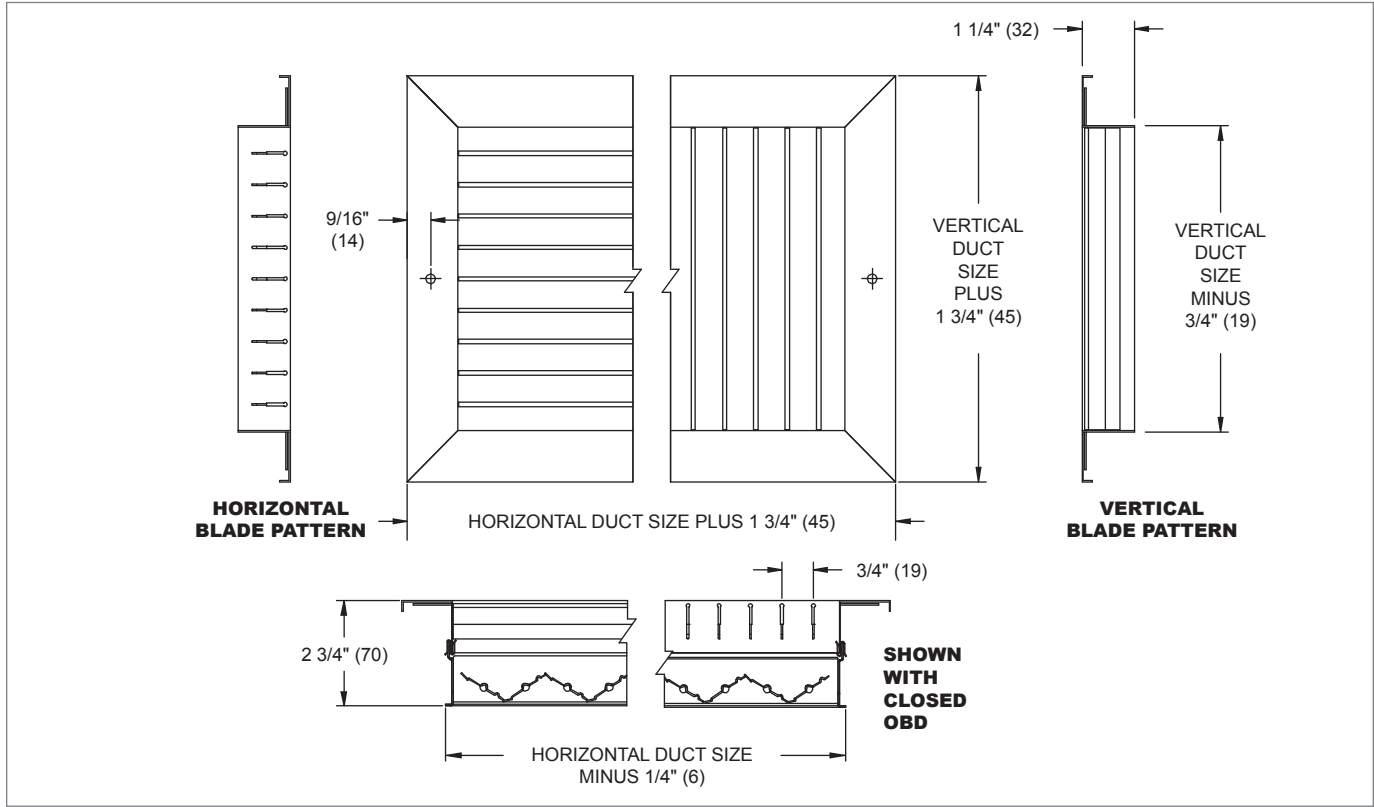

 480
Heavy Duty

 4880
Heavy Duty

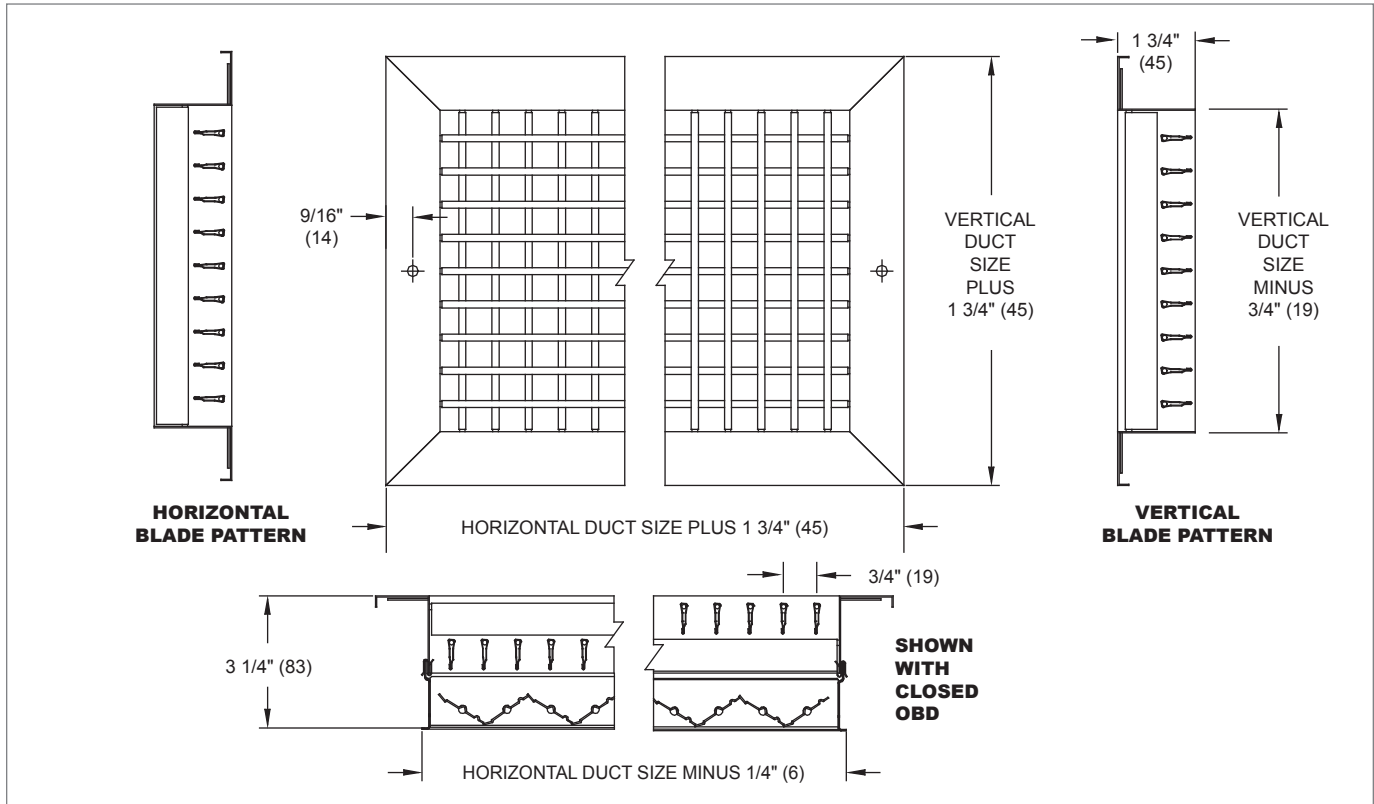

800

80, 580, 880, 5880 Dimensional Information

80, 580, FACE VIEW, SIDE VIEW, & CROSS SECTION



880, 5880, FACE VIEW, SIDE VIEW, & CROSS SECTION



NOTE: Dimensions in parentheses are mm.

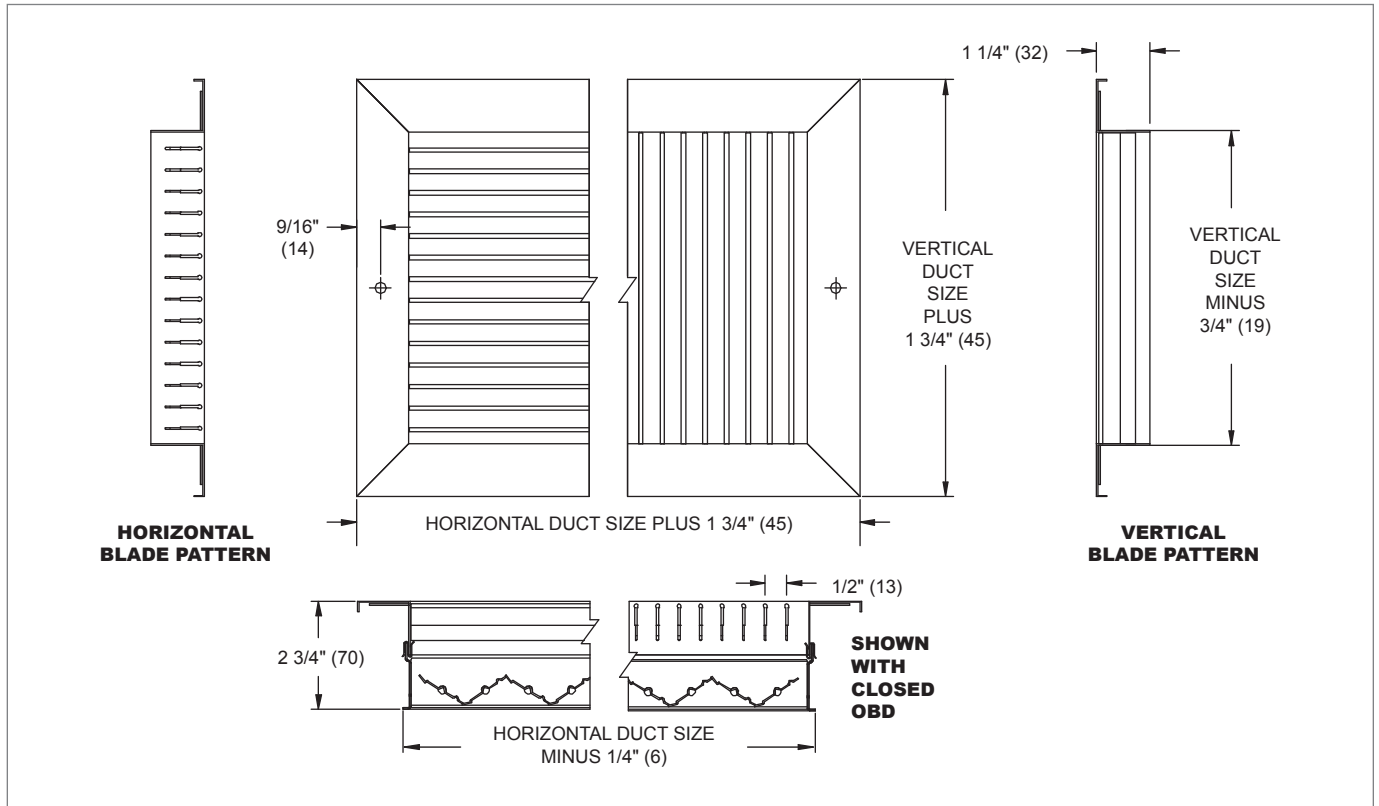
SUPPLY GRILLES

8
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8
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4
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-
8
0
0

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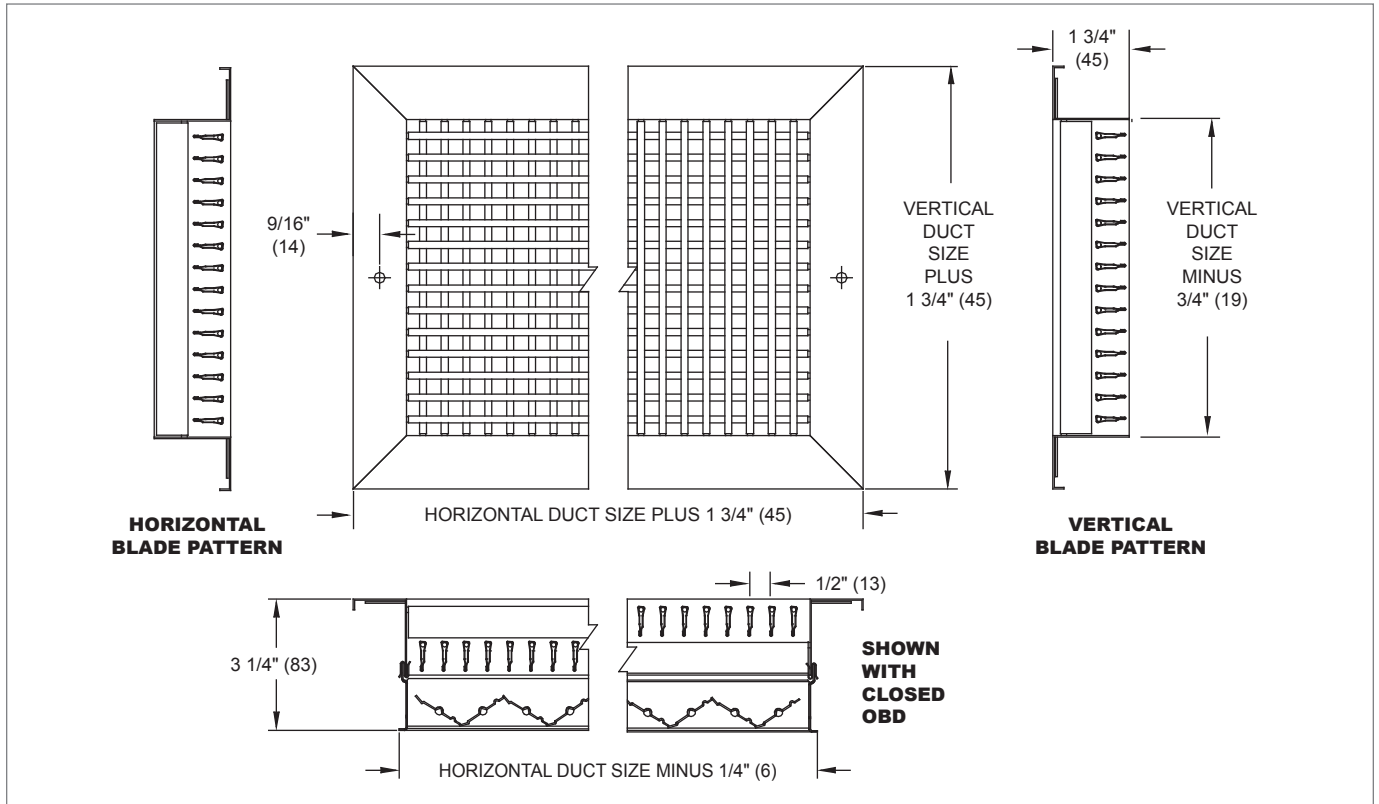
585, 5885 Dimensional Information

585, FACE VIEW, SIDE VIEW, & CROSS SECTION



SUPPLY GRILLES

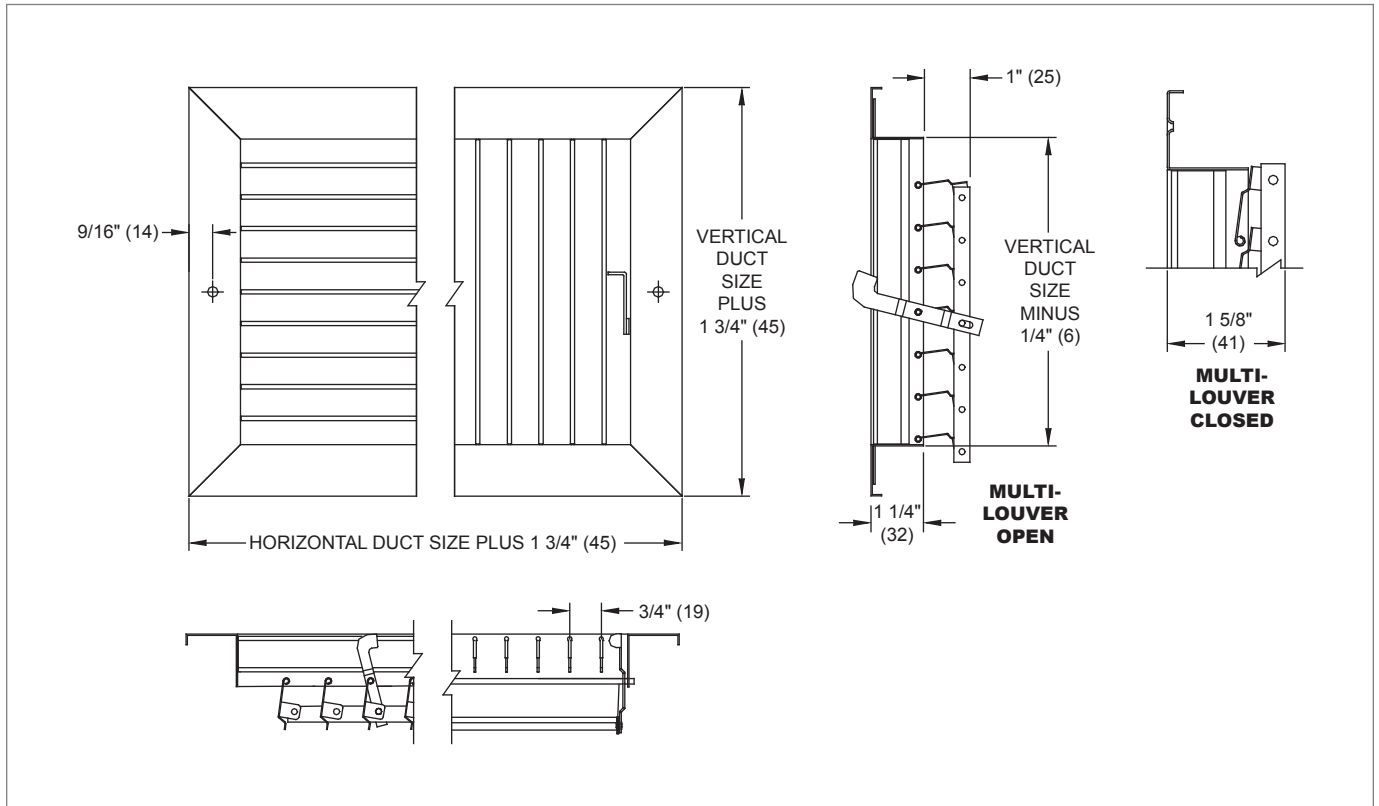
5885, FACE VIEW, SIDE VIEW, & CROSS SECTION



800-880-4880

800, 5800 Dimensional Information

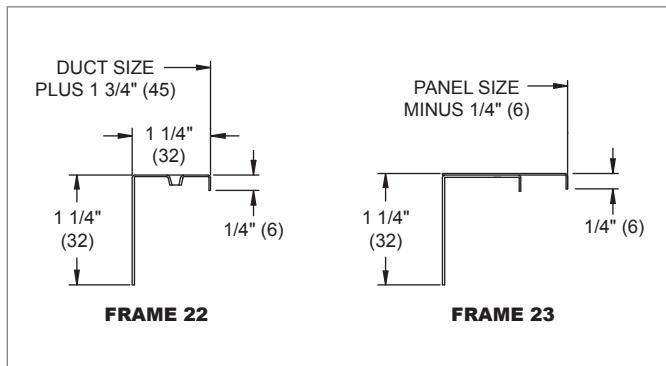
800, 5800, FACE VIEW, SIDE VIEW, & CROSS SECTION



SUPPLY GRILLES

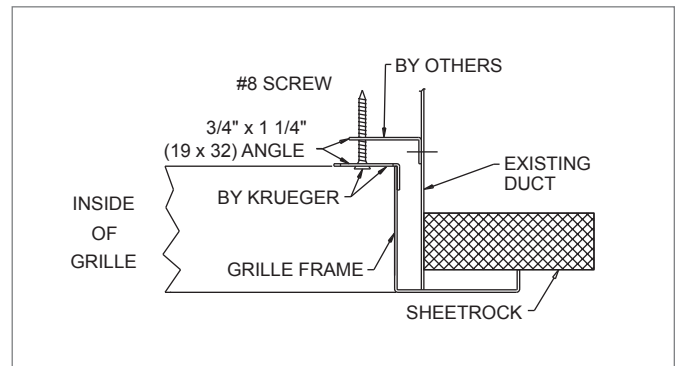
880, 4880, 800 Series Frame Styles & Concealed Mounting

80, 580, 880, 5880, 585, 5885, 480, 4880, 800, 5800, FRAME STYLES



NOTES: Dimensions in parentheses are mm. Frame 23 is not available with the 480/4880 series.

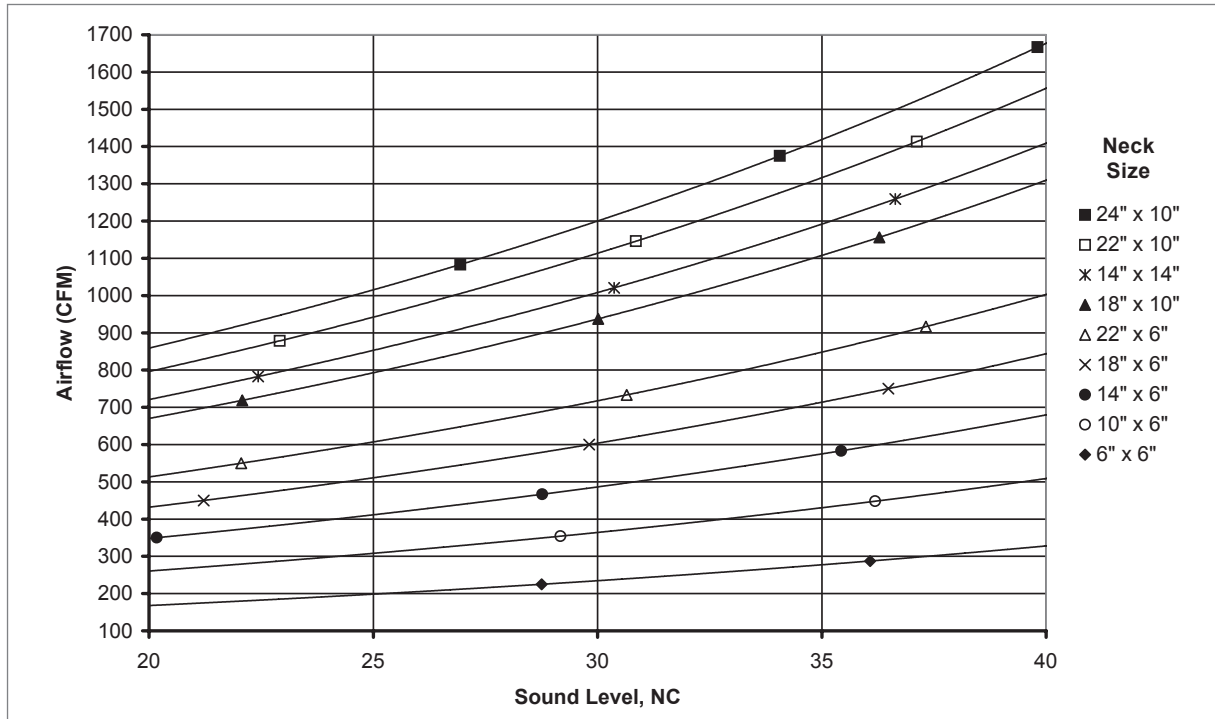
80, 580, 880, 5880, 585, 5885, 480, 4880, CONCEALED MOUNTING



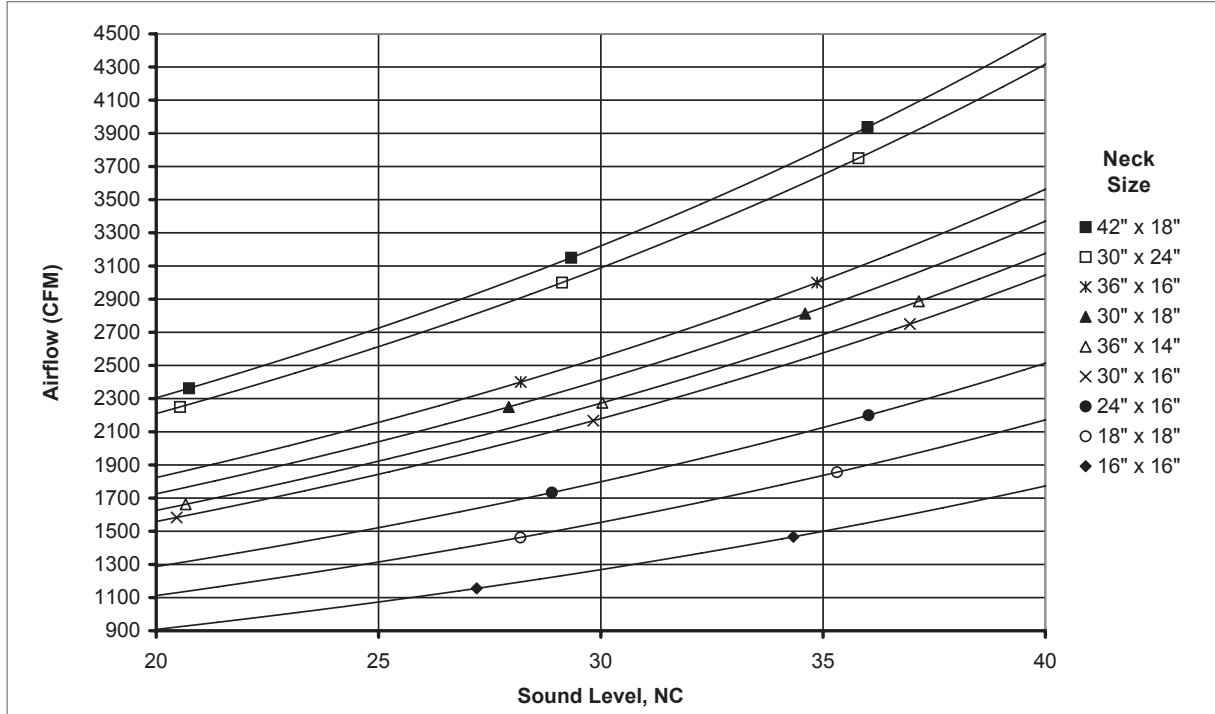
NOTES: Concealed mounting is not available with an OBD or with the 800/5800 series. Maximum unit size is 36"x20".

880, 4880, 800 Series Reference Charts

AIRFLOW VS. NC: 80, 580, 880, 5880, 585, 5885, 480, 4880, 800, 5800 (WITH OBD/MULTILOUVER)



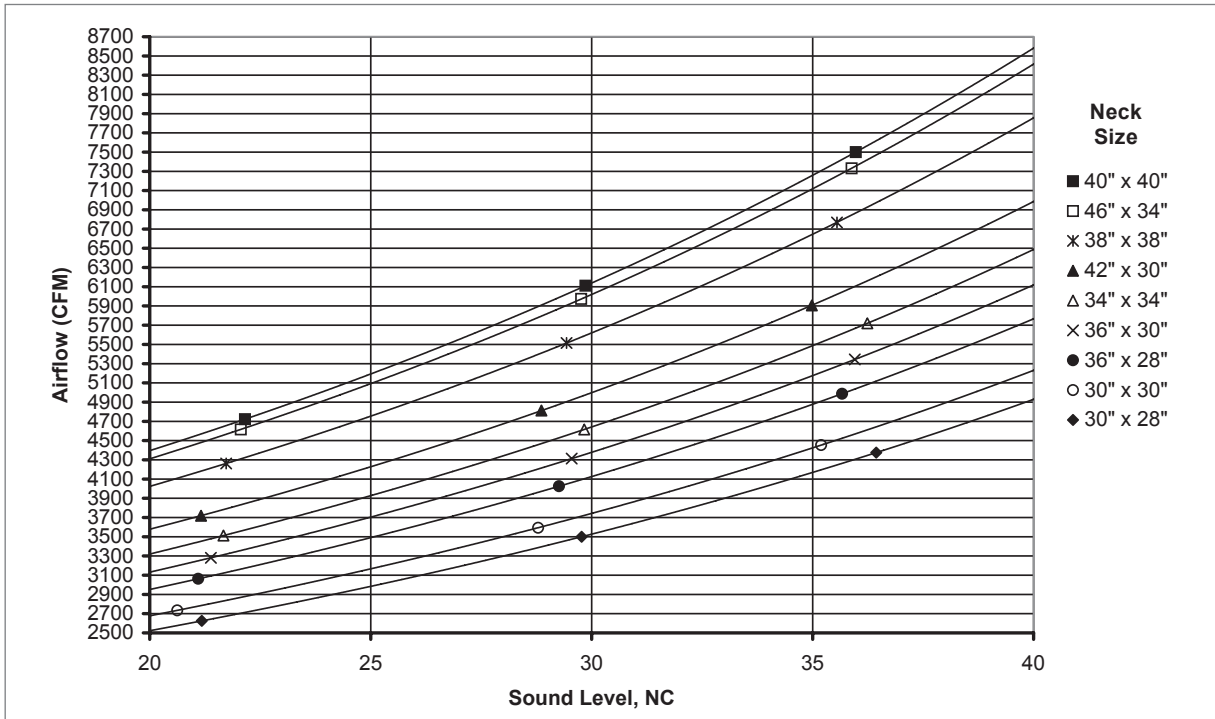
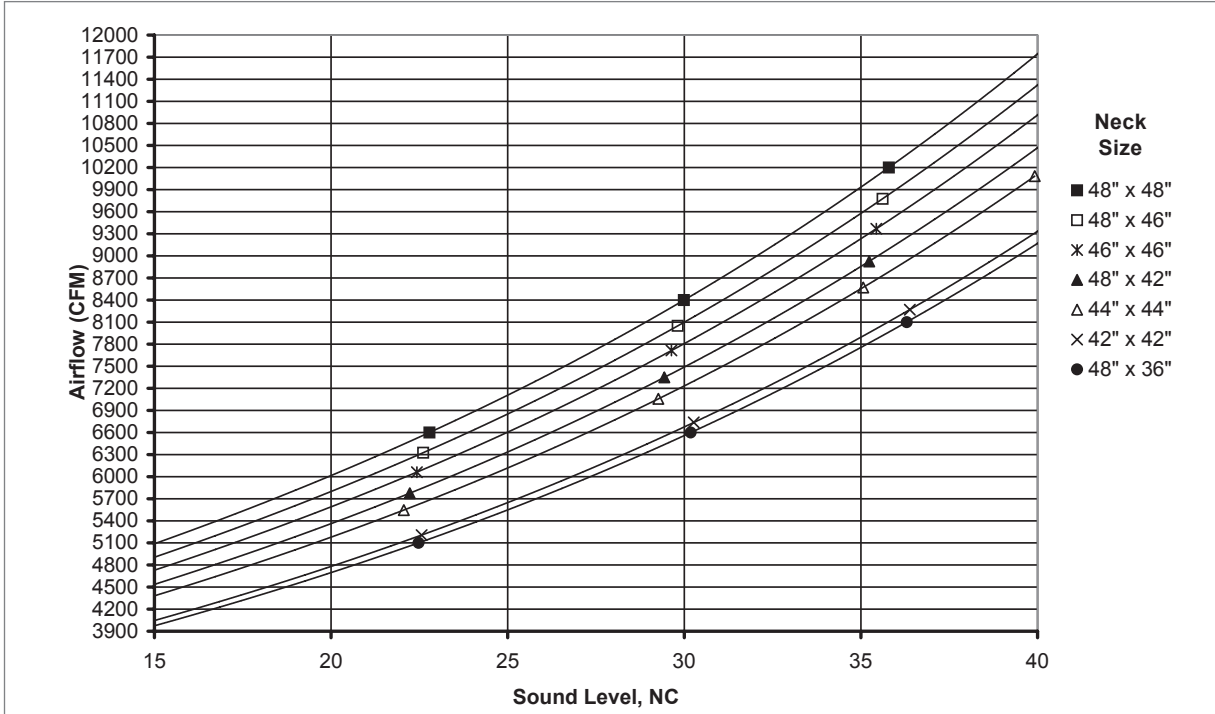
AIRFLOW VS. NC: 80, 580, 880, 5880, 585, 5885, 480, 4880, 800, 5800 (WITH OBD/MULTILOUVER)



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.

SUPPLY GRILLES

8
0
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8
8
0
-
4
8
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880, 4880, 800 Series Reference Charts
AIRFLOW VS. NC: 80, 580, 880, 5880, 585, 5885, 480, 4880, 800, 5800 (WITH OBD/MULTILOUVER)

AIRFLOW VS. NC: 80, 580, 880, 5880, 585, 5885, 480, 4880, 800, 5800 (WITH OBD/MULTILOUVER)


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.

880, 4880, 800 Series Performance Data: Horizontal Throw

IP DATA: 80, 580, 880, 5880, 585, 5885, 480, 4880, 800, 5800 (WITH OBD/MULTILOUVER)

Nom Duct	Duct Area	Neck Vel	Air Flow	0°		22.5°		45°		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"	0.25	400	100	.027	8 - 11 - 18	.037	6 - 9 - 14	.047	3 - 5 - 8	-	32	21	22	-	-	-
		650	163	.071	12 - 17 - 23	.098	10 - 13 - 18	.125	6 - 7 - 11	19	44	34	35	26	16	11
		900	225	.137	16 - 20 - 28	.188	12 - 15 - 21	.239	7 - 9 - 12	29	51	43	44	38	33	27
		1150	288	.223	18 - 22 - 31	.307	14 - 17 - 24	.391	8 - 10 - 14	36	57	50	50	48	45	40
		1400	350	.331	20 - 24 - 34	.455	15 - 19 - 27	.579	9 - 11 - 15	42	62	55	56	55	54	50
8" x 6"	0.33	400	133	.027	9 - 13 - 21	.037	7 - 10 - 16	.047	4 - 6 - 10	-	34	22	23	-	-	-
		650	217	.071	14 - 19 - 27	.098	11 - 15 - 21	.125	6 - 9 - 12	20	45	35	36	27	18	12
		900	300	.137	18 - 23 - 32	.188	14 - 17 - 25	.239	8 - 10 - 14	30	53	44	45	40	34	29
		1150	383	.223	21 - 25 - 36	.307	16 - 20 - 28	.391	9 - 11 - 16	37	58	51	52	49	46	41
		1400	467	.331	23 - 28 - 40	.455	18 - 22 - 31	.579	10 - 13 - 18	43	63	56	57	56	56	51
10" x 6"	0.42	400	167	.027	10 - 15 - 24	.037	8 - 11 - 18	.047	4 - 7 - 11	-	35	23	24	-	-	-
		625	260	.066	15 - 21 - 30	.091	12 - 16 - 23	.115	7 - 9 - 13	20	45	35	36	27	17	11
		850	354	.122	20 - 24 - 35	.168	15 - 19 - 27	.213	9 - 11 - 16	29	52	44	44	38	32	27
		1075	448	.195	22 - 28 - 39	.268	17 - 21 - 30	.341	10 - 12 - 18	36	58	50	51	47	43	39
		1300	542	.285	25 - 30 - 43	.392	19 - 23 - 33	.499	11 - 14 - 19	42	62	55	56	54	53	48
8" x 8"	0.44	400	178	.027	10 - 15 - 25	.037	8 - 12 - 19	.047	5 - 7 - 11	-	35	23	24	-	-	-
		625	278	.066	16 - 22 - 31	.091	12 - 17 - 24	.115	7 - 10 - 14	20	45	35	36	27	17	11
		850	378	.122	21 - 25 - 36	.168	16 - 20 - 28	.213	9 - 11 - 16	29	52	44	45	39	32	27
		1075	478	.195	23 - 28 - 40	.268	18 - 22 - 31	.341	10 - 13 - 18	36	58	50	51	48	44	39
		1300	578	.285	26 - 31 - 44	.392	20 - 24 - 34	.499	11 - 14 - 20	42	62	56	56	55	53	49
12" x 6"	0.50	400	200	.027	11 - 16 - 26	.037	8 - 12 - 20	.047	5 - 7 - 12	-	35	24	25	11	-	-
		600	300	.061	16 - 23 - 32	.084	12 - 17 - 25	.106	7 - 10 - 14	20	45	35	36	26	16	-
		800	400	.108	21 - 26 - 37	.149	16 - 20 - 28	.189	10 - 12 - 17	28	52	43	44	37	30	24
		1000	500	.169	24 - 29 - 41	.232	18 - 23 - 32	.295	11 - 13 - 18	35	57	49	50	45	41	36
		1200	600	.243	26 - 32 - 45	.334	20 - 25 - 35	.425	12 - 14 - 20	40	61	54	55	52	50	45
14" x 6"	0.58	400	233	.027	12 - 17 - 28	.037	9 - 13 - 22	.047	5 - 8 - 13	-	36	24	26	11	-	-
		600	350	.061	17 - 24 - 34	.084	13 - 19 - 27	.106	8 - 11 - 15	20	46	36	36	27	16	11
		800	467	.108	23 - 28 - 40	.149	18 - 22 - 31	.189	10 - 13 - 18	29	52	43	44	38	30	25
		1000	583	.169	26 - 31 - 44	.232	20 - 24 - 34	.295	12 - 14 - 20	35	57	50	50	46	41	36
		1200	700	.243	28 - 34 - 49	.334	22 - 27 - 38	.425	13 - 15 - 22	41	62	55	55	53	50	46
12" x 8"	0.67	400	267	.027	12 - 19 - 30	.037	10 - 14 - 23	.047	6 - 8 - 14	-	37	25	26	12	-	-
		600	400	.061	19 - 26 - 37	.084	14 - 20 - 28	.106	8 - 12 - 17	21	46	36	37	27	17	11
		800	533	.108	25 - 30 - 42	.149	19 - 23 - 33	.189	11 - 14 - 19	29	53	44	45	38	31	26
		1000	667	.169	27 - 34 - 47	.232	21 - 26 - 37	.295	12 - 15 - 21	36	58	50	51	47	42	37
		1200	800	.243	30 - 37 - 52	.334	23 - 28 - 40	.425	14 - 17 - 23	41	62	55	56	53	51	46
10" x 10"	0.69	400	278	.027	13 - 19 - 31	.037	10 - 15 - 24	.047	6 - 9 - 14	-	37	25	26	12	-	-
		600	417	.061	19 - 27 - 38	.084	15 - 21 - 29	.106	9 - 12 - 17	21	46	36	37	27	17	11
		800	556	.108	25 - 31 - 43	.149	19 - 24 - 34	.189	11 - 14 - 20	29	53	44	45	38	31	26
		1000	694	.169	28 - 34 - 48	.232	22 - 27 - 38	.295	13 - 15 - 22	36	58	50	51	47	42	37
		1200	833	.243	31 - 38 - 53	.334	24 - 29 - 41	.425	14 - 17 - 24	42	62	55	56	54	51	46
18" x 6"	0.75	400	300	.027	13 - 20 - 32	.037	10 - 15 - 25	.047	6 - 9 - 14	-	37	25	27	13	-	-
		600	450	.061	20 - 28 - 39	.084	15 - 21 - 30	.106	9 - 12 - 18	21	47	37	38	28	17	12
		800	600	.108	26 - 32 - 45	.149	20 - 25 - 35	.189	12 - 14 - 20	30	53	44	45	39	31	26
		1000	750	.169	29 - 36 - 50	.232	23 - 28 - 39	.295	13 - 16 - 23	36	59	51	51	47	42	38
		1200	900	.243	32 - 39 - 55	.334	25 - 30 - 43	.425	14 - 18 - 25	42	63	56	56	54	51	47
12" x 10"	0.83	400	333	.027	14 - 21 - 34	.037	11 - 16 - 26	.047	6 - 9 - 15	-	38	26	27	13	-	-
		600	500	.061	21 - 29 - 41	.084	16 - 23 - 32	.106	9 - 13 - 18	22	47	37	38	28	18	12
		800	667	.108	27 - 34 - 47	.149	21 - 26 - 37	.189	12 - 15 - 21	30	54	45	46	39	32	27
		1000	833	.169	31 - 38 - 53	.232	24 - 29 - 41	.295	14 - 17 - 24	37	59	51	52	48	43	38
		1200	1000	.243	34 - 41 - 58	.334	26 - 32 - 45	.425	15 - 18 - 26	42	63	56	57	54	52	47
22" x 6"	0.92	400	367	.027	15 - 22 - 35	.037	11 - 17 - 27	.047	7 - 10 - 16	-	38	26	28	13	-	-
		600	550	.061	22 - 30 - 43	.084	17 - 24 - 33	.106	10 - 14 - 19	22	47	37	38	29	18	13
		800	733	.108	29 - 35 - 50	.149	22 - 27 - 39	.189	13 - 16 - 22	31	54	45	46	40	32	27
		1000	917	.169	32 - 39 - 56	.232	25 - 31 - 43	.295	14 - 18 - 25	37	59	51	52	48	43	38
		1200	1100	.243	35 - 43 - 61	.334	27 - 33 - 47	.425	16 - 19 - 27	43	64	57	57	55	52	48

NOTE: See notes on page I1-37.

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SUPPLY GRILLES

80 - 880 - 4880 - 800

880, 4880, 800 Series Performance Data: Horizontal Throw
IP DATA: 80, 580, 880, 5880, 585, 5885, 480, 4880, 800, 5800 (WITH OBD/MULTILOUVER)

Nom Duct	Duct Area	Neck Vel	Air Flow	0°		22.5°		45°		NC	Octave Band, dB					
				Pt	Throw	Pt	Throw	Pt	Throw		2	3	4	5	6	7
				"WG	ft	"WG	ft	"WG	ft							
12" x 12"	1.00	400	400	.027	15 - 23 - 37	.037	12 - 18 - 28	.047	7 - 10 - 17	-	38	27	28	14	-	-
		575	575	.056	22 - 31 - 44	.077	17 - 24 - 34	.098	10 - 14 - 20	21	47	37	38	27	16	11
		750	750	.095	28 - 36 - 50	.131	22 - 28 - 39	.166	13 - 16 - 23	29	53	44	45	37	30	24
		925	925	.144	32 - 40 - 56	.199	25 - 31 - 43	.253	15 - 18 - 25	35	58	50	51	45	40	35
		1100	1100	.204	35 - 43 - 61	.281	27 - 33 - 47	.357	16 - 19 - 27	41	62	54	55	52	48	44
18" x 10"	1.25	400	500	.027	17 - 25 - 41	.037	13 - 20 - 32	.047	8 - 11 - 18	11	39	28	29	15	-	-
		575	719	.056	24 - 35 - 49	.077	19 - 27 - 38	.098	11 - 16 - 22	22	48	38	39	28	17	12
		750	938	.095	32 - 40 - 56	.131	25 - 31 - 44	.166	14 - 18 - 25	30	54	45	46	38	31	25
		925	1156	.144	36 - 44 - 63	.199	28 - 34 - 48	.253	16 - 20 - 28	36	59	51	51	46	41	36
		1100	1375	.204	39 - 48 - 68	.281	31 - 37 - 53	.357	18 - 22 - 31	41	63	55	56	53	49	45
14" x 14"	1.36	400	544	.027	18 - 27 - 43	.037	14 - 21 - 33	.047	8 - 12 - 19	12	40	28	29	15	-	-
		575	783	.056	25 - 36 - 51	.077	20 - 28 - 40	.098	11 - 16 - 23	22	48	38	39	29	18	12
		750	1021	.095	33 - 42 - 59	.131	26 - 32 - 46	.166	15 - 19 - 26	30	54	45	46	39	31	26
		925	1259	.144	38 - 46 - 65	.199	29 - 36 - 51	.253	17 - 21 - 29	37	59	51	52	47	41	36
		1100	1497	.204	41 - 50 - 71	.281	32 - 39 - 55	.357	18 - 23 - 32	42	63	56	57	53	50	45
27" x 8"	1.50	400	600	.027	19 - 28 - 45	.037	14 - 22 - 35	.047	8 - 13 - 20	12	40	28	30	16	-	-
		575	863	.056	27 - 38 - 54	.077	21 - 30 - 42	.098	12 - 17 - 24	23	49	38	39	29	18	12
		750	1125	.095	35 - 44 - 62	.131	27 - 34 - 48	.166	16 - 20 - 28	31	55	46	47	39	31	26
		925	1388	.144	40 - 48 - 68	.199	31 - 38 - 53	.253	18 - 22 - 31	37	60	51	52	47	42	37
		1100	1650	.204	43 - 53 - 75	.281	33 - 41 - 58	.357	19 - 24 - 34	42	64	56	57	54	50	45
22" x 10"	1.53	400	611	.027	19 - 28 - 45	.037	15 - 22 - 35	.047	8 - 13 - 20	12	40	29	30	16	-	-
		575	878	.056	27 - 39 - 54	.077	21 - 30 - 42	.098	12 - 17 - 25	23	49	39	40	29	18	13
		750	1146	.095	35 - 44 - 62	.131	27 - 34 - 48	.166	16 - 20 - 28	31	55	46	47	39	31	26
		925	1413	.144	40 - 49 - 69	.199	31 - 38 - 54	.253	18 - 22 - 31	37	60	52	52	47	42	37
		1100	1681	.204	44 - 53 - 75	.281	34 - 41 - 58	.357	20 - 24 - 34	42	64	56	57	54	50	45
24" x 10"	1.67	300	500	.015	14 - 22 - 41	.021	11 - 17 - 32	.027	6 - 10 - 18	-	34	21	22	-	-	-
		475	792	.038	23 - 35 - 52	.052	18 - 27 - 40	.067	10 - 16 - 23	18	45	34	35	22	-	-
		650	1083	.071	32 - 43 - 61	.098	25 - 33 - 47	.125	14 - 19 - 27	27	52	42	43	34	25	19
		825	1375	.115	39 - 48 - 68	.158	31 - 37 - 53	.201	18 - 22 - 31	34	58	49	50	43	36	31
		1000	1667	.169	43 - 53 - 75	.232	34 - 41 - 58	.295	20 - 24 - 34	40	62	54	55	51	46	41
18" x 14"	1.75	300	525	.015	14 - 23 - 42	.021	11 - 18 - 33	.027	6 - 10 - 19	-	34	21	23	-	-	-
		475	831	.038	24 - 36 - 53	.052	18 - 28 - 41	.067	11 - 16 - 24	18	45	34	35	23	-	-
		650	1138	.071	33 - 44 - 62	.098	25 - 34 - 48	.125	15 - 20 - 28	27	52	42	43	35	25	19
		825	1444	.115	40 - 49 - 70	.158	31 - 38 - 54	.201	18 - 22 - 31	34	58	49	50	43	37	31
		1000	1750	.169	44 - 54 - 77	.232	34 - 42 - 60	.295	20 - 24 - 35	40	62	54	55	51	46	41
16" x 16"	1.78	300	533	.015	14 - 23 - 42	.021	11 - 18 - 33	.027	6 - 10 - 19	-	34	21	23	-	-	-
		475	844	.038	24 - 36 - 53	.052	19 - 28 - 41	.067	11 - 16 - 24	18	45	34	35	23	-	-
		650	1156	.071	33 - 44 - 62	.098	26 - 34 - 48	.125	15 - 20 - 28	27	52	43	43	35	25	19
		825	1467	.115	41 - 50 - 70	.158	32 - 39 - 55	.201	18 - 22 - 32	34	58	49	50	44	37	32
		1000	1778	.169	45 - 55 - 78	.232	35 - 42 - 60	.295	20 - 25 - 35	40	62	54	55	51	46	41
24" x 12"	2.00	300	600	.015	15 - 24 - 45	.021	12 - 19 - 35	.027	7 - 11 - 20	-	35	22	23	-	-	-
		475	950	.038	26 - 38 - 57	.052	20 - 30 - 44	.067	11 - 17 - 25	18	45	34	36	23	-	-
		650	1300	.071	35 - 47 - 66	.098	27 - 36 - 51	.125	16 - 21 - 30	28	53	43	44	35	25	20
		825	1650	.115	43 - 53 - 75	.158	33 - 41 - 58	.201	19 - 24 - 34	35	58	50	50	44	37	32
		1000	2000	.169	47 - 58 - 82	.232	37 - 45 - 64	.295	21 - 26 - 37	41	63	55	56	51	47	42
18" x 18"	2.25	300	675	.015	16 - 26 - 48	.021	12 - 20 - 37	.027	7 - 12 - 21	-	35	22	24	-	-	-
		475	1069	.038	27 - 41 - 60	.052	21 - 31 - 47	.067	12 - 18 - 27	19	46	35	36	24	11	-
		650	1463	.071	37 - 50 - 70	.098	29 - 39 - 54	.125	17 - 22 - 32	28	53	44	45	36	26	20
		825	1856	.115	46 - 56 - 79	.158	35 - 43 - 61	.201	21 - 25 - 36	35	59	50	51	45	38	33
		1000	2250	.169	50 - 62 - 87	.232	39 - 48 - 68	.295	23 - 28 - 39	41	63	55	56	52	47	42
24" x 14"	2.33	300	700	.015	16 - 26 - 49	.021	13 - 20 - 38	.027	7 - 12 - 22	-	35	22	24	-	-	-
		475	1108	.038	28 - 41 - 61	.052	21 - 32 - 47	.067	12 - 19 - 28	19	46	35	36	24	11	-
		650	1517	.071	38 - 51 - 72	.098	29 - 39 - 55	.125	17 - 23 - 32	28	53	44	45	36	26	21
		825	1925	.115	47 - 57 - 81	.158	36 - 44 - 63	.201	21 - 26 - 36	35	59	50	51	45	38	33
		1000	2333	.169	51 - 63 - 89	.232	40 - 49 - 69	.295	23 - 28 - 40	41	63	56	56	52	47	42

SUPPLY GRILLES

80 - 880 - 4880 - 800

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880, 4880, 800 Series Performance Data: Horizontal Throw

IP DATA: 80, 580, 880, 5880, 585, 5885, 480, 4880, 800, 5800 (WITH OBD/MULTILOUVER)

Nom Duct	Duct Area	Neck Vel	Air Flow	0°		22.5°		45°		NC	Octave Band, dB					
				Pt	Throw	Pt	Throw	Pt	Throw		2	3	4	5	6	7
				"WG	ft	"WG	ft	"WG	ft							
30" x 12"	2.50	300	750	.015	17 - 27 - 50	.021	13 - 21 - 39	.027	8 - 12 - 23	-	36	23	24	-	-	-
		475	1188	.038	29 - 43 - 63	.052	22 - 33 - 49	.067	13 - 19 - 29	19	46	35	37	24	11	-
		650	1625	.071	39 - 52 - 74	.098	30 - 41 - 57	.125	18 - 24 - 33	29	54	44	45	36	26	21
		825	2063	.115	48 - 59 - 83	.158	37 - 46 - 65	.201	22 - 27 - 38	36	59	51	51	45	38	33
		1000	2500	.169	53 - 65 - 92	.232	41 - 50 - 71	.295	24 - 29 - 41	42	64	56	57	52	48	43
24" x 16"	2.67	300	800	.015	17 - 28 - 52	.021	13 - 22 - 40	.027	8 - 13 - 23	-	36	23	24	-	-	-
		475	1267	.038	29 - 44 - 65	.052	23 - 34 - 51	.067	13 - 20 - 29	20	47	36	37	25	11	-
		650	1733	.071	40 - 54 - 77	.098	31 - 42 - 59	.125	18 - 24 - 34	29	54	44	45	36	27	21
		825	2200	.115	50 - 61 - 86	.158	39 - 47 - 67	.201	22 - 27 - 39	36	60	51	52	45	38	33
		1000	2667	.169	55 - 67 - 95	.232	42 - 52 - 74	.295	25 - 30 - 43	42	64	56	57	53	48	43
20" x 20"	2.78	300	833	.015	18 - 28 - 53	.021	14 - 22 - 41	.027	8 - 13 - 24	-	36	23	25	-	-	-
		475	1319	.038	30 - 45 - 67	.052	23 - 35 - 52	.067	14 - 20 - 30	20	47	36	37	25	11	-
		650	1806	.071	41 - 55 - 78	.098	32 - 43 - 61	.125	19 - 25 - 35	29	54	44	45	37	27	21
		825	2292	.115	51 - 62 - 88	.158	39 - 48 - 68	.201	23 - 28 - 40	36	60	51	52	45	39	33
		1000	2778	.169	56 - 69 - 97	.232	43 - 53 - 75	.295	25 - 31 - 44	42	64	56	57	53	48	43
24" x 18"	3.00	300	900	.015	18 - 30 - 55	.021	14 - 23 - 43	.027	8 - 13 - 25	-	36	24	25	-	-	-
		475	1425	.038	31 - 47 - 69	.052	24 - 36 - 54	.067	14 - 21 - 31	20	47	36	37	25	12	-
		650	1950	.071	43 - 57 - 81	.098	33 - 44 - 63	.125	19 - 26 - 37	29	55	45	46	37	27	22
		825	2475	.115	53 - 65 - 91	.158	41 - 50 - 71	.201	24 - 29 - 41	37	60	51	52	46	39	34
		1000	3000	.169	58 - 71 - 101	.232	45 - 55 - 78	.295	26 - 32 - 45	42	65	57	57	53	49	44
30" x 16"	3.33	300	1000	.015	19 - 31 - 58	.021	15 - 24 - 45	.027	9 - 14 - 26	-	37	24	25	-	-	-
		475	1583	.038	33 - 49 - 73	.052	26 - 38 - 57	.067	15 - 22 - 33	20	48	37	38	25	12	-
		650	2167	.071	45 - 61 - 86	.098	35 - 47 - 66	.125	20 - 27 - 39	30	55	45	46	37	28	22
		825	2750	.115	56 - 68 - 96	.158	43 - 53 - 75	.201	25 - 31 - 43	37	61	52	53	46	39	34
		1000	3333	.169	61 - 75 - 106	.232	47 - 58 - 82	.295	28 - 34 - 48	43	65	57	58	54	49	44
22" x 22"	3.36	300	1008	.015	20 - 31 - 58	.021	15 - 24 - 45	.027	9 - 14 - 26	-	37	24	25	-	-	-
		475	1597	.038	33 - 50 - 73	.052	26 - 38 - 57	.067	15 - 22 - 33	20	48	37	38	26	12	-
		650	2185	.071	45 - 61 - 86	.098	35 - 47 - 67	.125	20 - 27 - 39	30	55	45	46	37	28	22
		825	2773	.115	56 - 68 - 97	.158	43 - 53 - 75	.201	25 - 31 - 44	37	61	52	53	46	40	34
		1000	3361	.169	62 - 75 - 107	.232	48 - 58 - 83	.295	28 - 34 - 48	43	65	57	58	54	49	44
36" x 14"	3.50	300	1050	.015	20 - 32 - 60	.021	15 - 25 - 46	.027	9 - 14 - 27	-	37	24	26	-	-	-
		475	1663	.038	34 - 51 - 75	.052	26 - 39 - 58	.067	15 - 23 - 34	21	48	37	38	26	12	-
		650	2275	.071	46 - 62 - 88	.098	36 - 48 - 68	.125	21 - 28 - 39	30	55	45	46	38	28	22
		825	2888	.115	57 - 70 - 99	.158	44 - 54 - 77	.201	26 - 31 - 44	37	61	52	53	47	40	34
		1000	3500	.169	63 - 77 - 109	.232	49 - 60 - 84	.295	28 - 35 - 49	43	65	57	58	54	49	44
24" x 22"	3.67	300	1100	.015	20 - 33 - 61	.021	16 - 25 - 47	.027	9 - 15 - 27	-	37	24	26	-	-	-
		450	1650	.034	33 - 49 - 75	.047	25 - 38 - 58	.060	15 - 22 - 34	19	47	36	37	24	-	-
		600	2200	.061	44 - 61 - 86	.084	34 - 47 - 67	.106	20 - 27 - 39	28	54	43	44	35	24	19
		750	2750	.095	55 - 68 - 96	.131	42 - 53 - 75	.166	25 - 31 - 43	35	59	50	50	43	35	30
		900	3300	.137	61 - 75 - 106	.188	47 - 58 - 82	.239	27 - 34 - 48	40	63	55	55	50	44	39
30" x 18"	3.75	300	1125	.015	21 - 33 - 62	.021	16 - 26 - 48	.027	9 - 15 - 28	-	37	25	26	-	-	-
		450	1688	.034	33 - 50 - 76	.047	26 - 38 - 59	.060	15 - 22 - 34	19	47	36	37	24	-	-
		600	2250	.061	44 - 62 - 87	.084	34 - 48 - 68	.106	20 - 28 - 39	28	54	44	45	35	24	19
		750	2813	.095	55 - 69 - 98	.131	43 - 53 - 76	.166	25 - 31 - 44	35	59	50	51	43	35	30
		900	3375	.137	62 - 76 - 107	.188	48 - 59 - 83	.239	28 - 34 - 48	40	63	55	56	50	44	39
36" x 16"	4.00	300	1200	.015	21 - 34 - 64	.021	17 - 26 - 49	.027	10 - 15 - 29	-	38	25	26	-	-	-
		450	1800	.034	34 - 51 - 78	.047	26 - 40 - 60	.060	15 - 23 - 35	20	47	36	37	24	-	-
		600	2400	.061	46 - 64 - 90	.084	35 - 49 - 70	.106	21 - 29 - 41	28	54	44	45	35	25	19
		750	3000	.095	57 - 71 - 101	.131	44 - 55 - 78	.166	26 - 32 - 45	35	59	50	51	43	36	30
		900	3600	.137	64 - 78 - 110	.188	49 - 60 - 85	.239	29 - 35 - 50	40	63	55	56	50	45	39
36" x 18"	4.50	300	1350	.015	23 - 36 - 68	.021	18 - 28 - 52	.027	10 - 16 - 30	-	38	25	27	-	-	-
		450	2025	.034	36 - 54 - 83	.047	28 - 42 - 64	.060	16 - 24 - 37	20	48	36	38	25	11	-
		600	2700	.061	48 - 68 - 96	.084	37 - 52 - 74	.106	22 - 30 - 43	29	54	44	45	36	25	19
		750	3375	.095	60 - 76 - 107	.131	47 - 59 - 83	.166	27 - 34 - 48	35	60	51	51	44	36	31
		900	4050	.137	68 - 83 - 117	.188	52 - 64 - 91	.239	30 - 37 - 53	41	64	56	56	51	45	40

NOTE: See notes on page I1-37.

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880, 4880, 800 Series Performance Data: Horizontal Throw

IP DATA: 80, 580, 880, 5880, 585, 5885, 480, 4880, 800, 5800 (WITH OBD/MULTILOUVER)

Nom Duct	Duct Area	Neck Vel	Air Flow	0°		22.5°		45°		NC	Octave Band, dB					
				Pt	Throw	Pt	Throw	Pt	Throw		2	3	4	5	6	7
				"WG	ft	"WG	ft	"WG	ft							
30" x 24"	5.00	300	1500	.015	24 - 38 - 71	.021	18 - 30 - 55	.027	11 - 17 - 32	-	39	26	27	-	-	-
		450	2250	.034	38 - 57 - 87	.047	30 - 44 - 68	.060	17 - 26 - 39	21	48	37	38	25	11	-
		600	3000	.061	51 - 71 - 101	.084	39 - 55 - 78	.106	23 - 32 - 45	29	55	45	46	36	26	20
		750	3750	.095	64 - 80 - 113	.131	49 - 62 - 87	.166	29 - 36 - 51	36	60	51	52	44	37	31
		900	4500	.137	71 - 87 - 123	.188	55 - 68 - 96	.239	32 - 39 - 55	41	64	56	57	51	46	40
42" x 18"	5.25	300	1575	.015	24 - 39 - 73	.021	19 - 30 - 57	.027	11 - 18 - 33	-	39	26	27	-	-	-
		450	2363	.034	39 - 59 - 89	.047	30 - 46 - 69	.060	18 - 26 - 40	21	48	37	38	25	12	-
		600	3150	.061	52 - 73 - 103	.084	40 - 57 - 80	.106	24 - 33 - 46	29	55	45	46	36	26	20
		750	3938	.095	65 - 82 - 115	.131	51 - 63 - 89	.166	29 - 37 - 52	36	60	51	52	45	37	31
		900	4725	.137	73 - 89 - 126	.188	57 - 69 - 98	.239	33 - 40 - 57	41	65	56	57	52	46	41
28" x 28"	5.44	300	1633	.015	25 - 40 - 74	.021	19 - 31 - 58	.027	11 - 18 - 33	-	39	26	27	-	-	-
		450	2450	.034	40 - 60 - 91	.047	31 - 46 - 71	.060	18 - 27 - 41	21	49	37	38	26	12	-
		600	3267	.061	53 - 74 - 105	.084	41 - 58 - 81	.106	24 - 33 - 47	29	55	45	46	36	26	20
		750	4083	.095	66 - 83 - 117	.131	52 - 64 - 91	.166	30 - 37 - 53	36	60	51	52	45	37	32
		900	4900	.137	74 - 91 - 129	.188	58 - 71 - 100	.239	33 - 41 - 58	42	65	56	57	52	46	41
30" x 28"	5.83	300	1750	.015	26 - 41 - 77	.021	20 - 32 - 60	.027	12 - 19 - 35	-	39	26	28	11	-	-
		450	2625	.034	41 - 62 - 94	.047	32 - 48 - 73	.060	19 - 28 - 42	21	49	38	39	26	12	-
		600	3500	.061	55 - 77 - 109	.084	43 - 60 - 84	.106	25 - 35 - 49	30	56	46	46	37	26	21
		750	4375	.095	69 - 86 - 122	.131	53 - 67 - 94	.166	31 - 39 - 55	36	61	52	53	45	37	32
		900	5250	.137	77 - 94 - 133	.188	60 - 73 - 103	.239	35 - 42 - 60	42	65	57	57	52	46	41
36" x 24"	6.00	300	1800	.015	26 - 42 - 78	.021	20 - 32 - 60	.027	12 - 19 - 35	-	40	27	28	11	-	-
		438	2625	.032	41 - 61 - 94	.044	32 - 47 - 73	.057	18 - 27 - 42	20	48	37	38	25	11	-
		575	3450	.056	54 - 76 - 108	.077	41 - 59 - 84	.098	24 - 34 - 49	29	55	44	45	35	24	19
		713	4275	.086	66 - 85 - 120	.118	51 - 66 - 93	.150	30 - 38 - 54	35	60	50	51	43	35	29
		850	5100	.122	76 - 93 - 131	.168	59 - 72 - 102	.213	34 - 42 - 59	40	64	55	56	50	43	38
30" x 30"	6.25	300	1875	.015	27 - 43 - 80	.021	21 - 33 - 62	.027	12 - 19 - 36	-	40	27	28	11	-	-
		438	2734	.032	42 - 62 - 96	.044	32 - 48 - 75	.057	19 - 28 - 43	21	48	37	38	25	11	-
		575	3594	.056	55 - 78 - 110	.077	42 - 60 - 85	.098	25 - 35 - 50	29	55	45	46	35	24	19
		713	4453	.086	68 - 87 - 123	.118	52 - 67 - 95	.150	30 - 39 - 55	35	60	51	51	43	35	30
		850	5313	.122	77 - 95 - 134	.168	60 - 73 - 104	.213	35 - 43 - 60	40	64	55	56	50	44	39
36" x 28"	7.00	300	2100	.015	28 - 45 - 84	.021	22 - 35 - 65	.027	13 - 20 - 38	-	40	27	29	11	-	-
		438	3063	.032	44 - 66 - 102	.044	34 - 51 - 79	.057	20 - 30 - 46	21	49	38	39	26	11	-
		575	4025	.056	58 - 82 - 117	.077	45 - 64 - 90	.098	26 - 37 - 52	29	55	45	46	36	25	19
		713	4988	.086	72 - 92 - 130	.118	55 - 71 - 101	.150	32 - 41 - 58	36	60	51	52	44	35	30
		850	5950	.122	82 - 100 - 142	.168	63 - 78 - 110	.213	37 - 45 - 64	41	64	56	57	51	44	39
46" x 22"	7.03	300	2108	.015	28 - 45 - 84	.021	22 - 35 - 65	.027	13 - 20 - 38	-	40	27	29	11	-	-
		438	3075	.032	44 - 66 - 102	.044	34 - 51 - 79	.057	20 - 30 - 46	21	49	38	39	26	11	-
		575	4041	.056	58 - 83 - 117	.077	45 - 64 - 91	.098	26 - 37 - 53	29	55	45	46	36	25	19
		713	5007	.086	72 - 92 - 130	.118	56 - 71 - 101	.150	32 - 41 - 59	36	60	51	52	44	35	30
		850	5974	.122	82 - 100 - 142	.168	64 - 78 - 110	.213	37 - 45 - 64	41	64	56	57	51	44	39
32" x 32"	7.11	300	2133	.015	28 - 46 - 85	.021	22 - 35 - 66	.027	13 - 21 - 38	-	40	27	29	11	-	-
		438	3111	.032	44 - 66 - 103	.044	34 - 52 - 79	.057	20 - 30 - 46	21	49	38	39	26	11	-
		575	4089	.056	58 - 83 - 118	.077	45 - 64 - 91	.098	26 - 37 - 53	29	55	45	46	36	25	19
		713	5067	.086	72 - 93 - 131	.118	56 - 72 - 101	.150	32 - 42 - 59	36	60	51	52	44	36	30
		850	6044	.122	83 - 101 - 143	.168	64 - 78 - 111	.213	37 - 45 - 64	41	65	56	57	51	44	39
36" x 30"	7.50	300	2250	.015	29 - 47 - 87	.021	23 - 36 - 68	.027	13 - 21 - 39	-	40	28	29	12	-	-
		438	3281	.032	46 - 68 - 105	.044	35 - 53 - 82	.057	20 - 31 - 47	21	49	38	39	26	12	-
		575	4313	.056	60 - 85 - 121	.077	46 - 66 - 94	.098	27 - 38 - 54	30	56	45	46	36	25	19
		713	5344	.086	74 - 95 - 134	.118	57 - 74 - 104	.150	33 - 43 - 60	36	61	51	52	44	36	30
		850	6375	.122	85 - 104 - 147	.168	66 - 80 - 114	.213	38 - 47 - 66	41	65	56	57	51	44	39
36" x 32"	8.00	300	2400	.015	30 - 48 - 90	.021	23 - 37 - 70	.027	14 - 22 - 41	-	41	28	29	12	-	-
		438	3500	.032	47 - 71 - 109	.044	36 - 55 - 84	.057	21 - 32 - 49	22	50	38	39	26	12	-
		575	4600	.056	62 - 88 - 125	.077	48 - 68 - 97	.098	28 - 40 - 56	30	56	46	47	36	25	20
		713	5700	.086	77 - 98 - 139	.118	59 - 76 - 108	.150	34 - 44 - 62	36	61	52	52	45	36	31
		850	6800	.122	88 - 107 - 152	.168	68 - 83 - 117	.213	39 - 48 - 68	41	65	56	57	51	45	40

SUPPLY GRILLES

80 - 880 - 4880 - 800

NOTE: See notes on page I1-37.

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880, 4880, 800 Series Performance Data: Horizontal Throw

IP DATA: 80, 580, 880, 5880, 585, 5885, 480, 4880, 800, 5800 (WITH OBD/MULTILOUVER)

Nom Duct	Duct Area	Neck Vel	Air Flow	0°		22.5°		45°		NC	Octave Band, dB					
				Pt	Throw	Pt	Throw	Pt	Throw		2	3	4	5	6	7
				"WG	ft	"WG	ft	"WG	ft							
34" x 34"	8.03	300	2408	.015	30 - 48 - 90	.021	23 - 38 - 70	.027	14 - 22 - 41	-	41	28	29	12	-	-
		438	3512	.032	47 - 71 - 109	.044	36 - 55 - 84	.057	21 - 32 - 49	22	50	38	39	26	12	-
		575	4616	.056	62 - 88 - 125	.077	48 - 68 - 97	.098	28 - 40 - 56	30	56	46	47	36	25	20
		713	5720	.086	77 - 98 - 139	.118	59 - 76 - 108	.150	35 - 44 - 63	36	61	52	53	45	36	31
		850	6824	.122	88 - 107 - 152	.168	68 - 83 - 118	.213	39 - 48 - 68	42	65	56	57	51	45	40
36" x 34"	8.50	300	2550	.015	31 - 50 - 93	.021	24 - 39 - 72	.027	14 - 22 - 42	11	41	28	29	12	-	-
		425	3613	.031	47 - 71 - 111	.042	36 - 55 - 86	.053	21 - 32 - 50	21	49	38	39	25	11	-
		550	4675	.051	61 - 89 - 126	.070	47 - 69 - 97	.089	27 - 40 - 57	29	55	45	46	35	24	18
		675	5738	.077	75 - 98 - 139	.106	58 - 76 - 108	.135	34 - 44 - 63	35	60	50	51	43	34	28
		800	6800	.108	88 - 107 - 152	.149	68 - 83 - 117	.189	39 - 48 - 68	40	64	55	56	49	42	37
42" x 30"	8.75	300	2625	.015	32 - 51 - 94	.021	24 - 39 - 73	.027	14 - 23 - 42	11	41	28	30	12	-	-
		425	3719	.031	48 - 72 - 112	.042	37 - 56 - 87	.053	21 - 32 - 50	21	49	38	39	25	11	-
		550	4813	.051	62 - 90 - 128	.070	48 - 70 - 99	.089	28 - 41 - 57	29	55	45	46	35	24	18
		675	5906	.077	76 - 100 - 141	.106	59 - 77 - 110	.135	34 - 45 - 64	35	60	51	51	43	34	28
		800	7000	.108	89 - 109 - 154	.149	69 - 84 - 119	.189	40 - 49 - 69	40	64	55	56	49	42	37
36" x 36"	9.00	300	2700	.015	32 - 51 - 96	.021	25 - 40 - 74	.027	14 - 23 - 43	11	41	28	30	12	-	-
		425	3825	.031	48 - 73 - 114	.042	38 - 56 - 88	.053	22 - 33 - 51	21	49	38	39	26	11	-
		550	4950	.051	63 - 91 - 129	.070	49 - 71 - 100	.089	28 - 41 - 58	29	55	45	46	35	24	18
		675	6075	.077	77 - 101 - 143	.106	60 - 79 - 111	.135	35 - 46 - 64	35	60	51	52	43	34	28
		800	7200	.108	90 - 110 - 156	.149	70 - 85 - 121	.189	41 - 50 - 70	40	64	55	56	49	42	37
48" x 30"	10.00	300	3000	.015	34 - 54 - 101	.021	26 - 42 - 78	.027	15 - 24 - 45	11	42	29	30	13	-	-
		425	4250	.031	51 - 77 - 120	.042	40 - 59 - 93	.053	23 - 34 - 54	22	50	38	40	26	12	-
		550	5500	.051	66 - 96 - 136	.070	51 - 75 - 106	.089	30 - 43 - 61	29	56	45	46	36	24	18
		675	6750	.077	81 - 107 - 151	.106	63 - 83 - 117	.135	36 - 48 - 68	36	61	51	52	43	34	29
		800	8000	.108	95 - 116 - 164	.149	74 - 90 - 127	.189	43 - 52 - 74	41	65	56	57	50	43	37
38" x 38"	10.03	300	3008	.015	34 - 54 - 101	.021	26 - 42 - 78	.027	15 - 24 - 45	11	42	29	30	13	-	-
		425	4262	.031	51 - 77 - 120	.042	40 - 59 - 93	.053	23 - 35 - 54	22	50	38	40	26	12	-
		550	5515	.051	66 - 97 - 137	.070	51 - 75 - 106	.089	30 - 43 - 61	29	56	45	46	36	24	18
		675	6769	.077	81 - 107 - 151	.106	63 - 83 - 117	.135	37 - 48 - 68	36	61	51	52	44	34	29
		800	8022	.108	95 - 116 - 165	.149	74 - 90 - 128	.189	43 - 52 - 74	41	65	56	57	50	43	37
42" x 36"	10.50	300	3150	.015	35 - 55 - 103	.021	27 - 43 - 80	.027	16 - 25 - 46	12	42	29	30	13	-	-
		425	4463	.031	52 - 78 - 123	.042	41 - 61 - 95	.053	24 - 35 - 55	22	50	39	40	26	12	-
		550	5775	.051	68 - 99 - 140	.070	52 - 77 - 108	.089	30 - 44 - 63	30	56	46	47	36	24	19
		675	7088	.077	83 - 109 - 155	.106	64 - 85 - 120	.135	37 - 49 - 70	36	61	51	52	44	35	29
		800	8400	.108	97 - 119 - 168	.149	75 - 92 - 131	.189	44 - 54 - 76	41	65	56	57	50	43	38
46" x 34"	10.86	300	3258	.015	35 - 56 - 105	.021	27 - 44 - 81	.027	16 - 25 - 47	12	42	29	30	13	-	-
		425	4616	.031	53 - 80 - 125	.042	41 - 62 - 97	.053	24 - 36 - 56	22	50	39	40	26	12	-
		550	5974	.051	69 - 100 - 142	.070	53 - 78 - 110	.089	31 - 45 - 64	30	56	46	47	36	25	19
		675	7331	.077	85 - 111 - 157	.106	65 - 86 - 122	.135	38 - 50 - 71	36	61	51	52	44	35	29
		800	8689	.108	99 - 121 - 171	.149	77 - 94 - 133	.189	45 - 55 - 77	41	65	56	57	50	43	38
42" x 38"	11.08	300	3325	.015	35 - 57 - 106	.021	27 - 44 - 82	.027	16 - 26 - 48	12	42	29	31	13	-	-
		425	4710	.031	54 - 81 - 126	.042	42 - 62 - 98	.053	24 - 36 - 57	22	50	39	40	27	12	-
		550	6096	.051	70 - 101 - 144	.070	54 - 79 - 111	.089	31 - 46 - 65	30	56	46	47	36	25	19
		675	7481	.077	85 - 112 - 159	.106	66 - 87 - 123	.135	38 - 51 - 72	36	61	52	52	44	35	29
		800	8867	.108	100 - 122 - 173	.149	77 - 95 - 134	.189	45 - 55 - 78	41	65	56	57	50	43	38
40" x 40"	11.11	300	3333	.015	36 - 57 - 106	.021	28 - 44 - 82	.027	16 - 26 - 48	12	42	29	31	13	-	-
		425	4722	.031	54 - 81 - 126	.042	42 - 63 - 98	.053	24 - 36 - 57	22	50	39	40	27	12	-
		550	6111	.051	70 - 102 - 144	.070	54 - 79 - 111	.089	31 - 46 - 65	30	56	46	47	36	25	19
		675	7500	.077	85 - 113 - 159	.106	66 - 87 - 123	.135	38 - 51 - 72	36	61	52	52	44	35	29
		800	8889	.108	100 - 123 - 173	.149	78 - 95 - 134	.189	45 - 55 - 78	41	65	56	57	50	43	38
48" x 36"	12.00	300	3600	.015	37 - 59 - 110	.021	29 - 46 - 85	.027	17 - 27 - 50	12	43	30	31	14	-	-
		425	5100	.031	56 - 84 - 131	.042	43 - 65 - 102	.053	25 - 38 - 59	22	51	39	40	27	12	-
		550	6600	.051	72 - 106 - 149	.070	56 - 82 - 116	.089	33 - 48 - 67	30	57	46	47	37	25	19
		675	8100	.077	89 - 117 - 165	.106	69 - 91 - 128	.135	40 - 53 - 74	36	61	52	53	44	35	30
		800	9600	.108	104 - 127 - 180	.149	81 - 99 - 140	.189	47 - 57 - 81	41	65	57	57	51	44	38

NOTE: See notes on page 11-37.

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880, 4880, 800 Series Performance Data: Horizontal Throw

IP DATA: 80, 580, 880, 5880, 585, 5885, 480, 4880, 800, 5800 (WITH OBD/MULTILOUVER)

Nom Duct	Duct Area	Neck Vel	Air Flow	0°		22.5°		45°		NC	Octave Band, dB					
				Pt	Throw	Pt	Throw	Pt	Throw		2	3	4	5	6	7
				"WG	ft	"WG	ft	"WG	ft							
42" x 42"	12.25	300	3675	.015	37 - 60 - 111	.021	29 - 46 - 86	.027	17 - 27 - 50	12	43	30	31	14	-	-
		425	5206	.031	57 - 85 - 133	.042	44 - 66 - 103	.053	25 - 38 - 60	23	51	39	40	27	12	-
		550	6738	.051	73 - 107 - 151	.070	57 - 83 - 117	.089	33 - 48 - 68	30	57	46	47	37	25	19
		675	8269	.077	90 - 118 - 167	.106	70 - 92 - 130	.135	40 - 53 - 75	36	61	52	53	44	35	30
		800	9800	.108	105 - 129 - 182	.149	81 - 100 - 141	.189	47 - 58 - 82	41	65	57	57	51	44	38
44" x 44"	13.44	300	4033	.015	39 - 63 - 117	.021	30 - 49 - 90	.027	18 - 28 - 53	13	43	30	31	14	-	-
		413	5546	.029	57 - 86 - 137	.040	45 - 67 - 106	.050	26 - 39 - 62	22	50	39	40	26	11	-
		525	7058	.047	73 - 109 - 154	.064	57 - 85 - 120	.081	33 - 49 - 70	29	56	45	47	35	23	17
		638	8571	.069	89 - 120 - 170	.094	69 - 93 - 132	.120	40 - 54 - 77	35	61	51	52	43	33	27
		750	10083	.095	104 - 131 - 185	.131	81 - 101 - 143	.166	47 - 59 - 83	40	64	55	56	49	41	35
48" x 42"	14.00	300	4200	.015	40 - 64 - 119	.021	31 - 50 - 92	.027	18 - 29 - 54	13	43	30	32	14	-	-
		413	5775	.029	59 - 88 - 140	.040	45 - 68 - 108	.050	26 - 40 - 63	22	51	39	40	26	11	-
		525	7350	.047	75 - 111 - 158	.064	58 - 86 - 122	.081	34 - 50 - 71	29	56	46	47	35	23	18
		638	8925	.069	91 - 123 - 174	.094	70 - 95 - 135	.120	41 - 55 - 78	35	61	51	52	43	33	27
		750	10500	.095	107 - 133 - 188	.131	83 - 103 - 146	.166	48 - 60 - 85	40	65	55	56	49	41	36
46" x 46"	14.69	300	4408	.015	41 - 66 - 122	.021	32 - 51 - 95	.027	18 - 29 - 55	13	43	30	32	15	-	-
		413	6061	.029	60 - 90 - 143	.040	47 - 70 - 111	.050	27 - 41 - 64	22	51	39	40	27	12	-
		525	7715	.047	76 - 114 - 161	.064	59 - 88 - 125	.081	34 - 51 - 73	30	56	46	47	36	24	18
		638	9368	.069	93 - 126 - 178	.094	72 - 98 - 138	.120	42 - 57 - 80	35	61	51	52	43	33	28
		750	11021	.095	109 - 136 - 193	.131	85 - 106 - 150	.166	49 - 61 - 87	40	65	56	57	49	41	36
48" x 46"	15.33	300	4600	.015	42 - 67 - 125	.021	32 - 52 - 97	.027	19 - 30 - 56	13	44	31	32	15	-	-
		413	6325	.029	61 - 92 - 146	.040	48 - 71 - 113	.050	28 - 41 - 66	23	51	39	41	27	12	-
		525	8050	.047	78 - 117 - 165	.064	61 - 90 - 128	.081	35 - 52 - 74	30	57	46	47	36	24	18
		638	9775	.069	95 - 129 - 182	.094	73 - 100 - 141	.120	43 - 58 - 82	36	61	51	52	43	33	28
		750	11500	.095	112 - 139 - 197	.131	86 - 108 - 153	.166	50 - 63 - 89	40	65	56	57	49	41	36
48" x 48"	16.00	300	4800	.015	43 - 68 - 127	.021	33 - 53 - 99	.027	19 - 31 - 57	13	44	31	32	15	-	-
		413	6600	.029	63 - 94 - 149	.040	49 - 73 - 116	.050	28 - 42 - 67	23	51	40	41	27	12	-
		525	8400	.047	80 - 119 - 168	.064	62 - 92 - 131	.081	36 - 54 - 76	30	57	46	47	36	24	18
		638	10200	.069	97 - 131 - 186	.094	75 - 102 - 144	.120	44 - 59 - 84	36	61	52	53	43	34	28
		750	12000	.095	114 - 142 - 201	.131	88 - 110 - 156	.166	51 - 64 - 91	41	65	56	57	50	42	36

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 correction factors in table below. See Krueger's selection software for performance data not shown, including octave band data.

NC Correction Damper (Add)		NC Correction Blade Deflection (Add)			Throw Correction (Multiply)		Pt Correction (Multiply)	
OBD	No OBD	0°	22.5°	45°	OBD	No OBD	OBD	No OBD
0	-2	0	+4	+9	1	0.98	1	0.88

SUPPLY GRILLES

 8
0
-
8
8
0
-
4
8
8
0
-
8
0
0

880, 4880, 800 Series Performance Data: Horizontal Throw

METRIC DATA: 80, 580, 880, 5880, 585, 5885, 480, 4880, 800, 5800 (WITH OBD/MULTILOUVER)

Nom Duct	Duct Area	Neck Vel	Air Flow	0°		22.5°		45°		NC	Octave Band, dB					
				Pt	Throw	Pt	Throw	Pt	Throw		2	3	4	5	6	7
				Pa	m	Pa	m	Pa	m							
152 x 152	0.02	2.03	47	6.7	2.3 - 3.5 - 5.6	9.2	1.8 - 2.7 - 4.3	11.8	1.0 - 1.6 - 2.5	-	32	21	22	-	-	-
		3.30	77	17.8	3.8 - 5.0 - 7.1	24.4	2.9 - 3.9 - 5.5	31.1	1.7 - 2.3 - 3.2	19	44	34	35	26	16	11
		4.57	106	34.1	4.8 - 5.9 - 8.4	46.8	3.8 - 4.6 - 6.5	59.6	2.2 - 2.7 - 3.8	29	51	43	44	38	33	27
		5.84	136	55.6	5.5 - 6.7 - 9.5	76.4	4.2 - 5.2 - 7.3	97.3	2.5 - 3.0 - 4.3	36	57	50	50	48	45	40
		7.11	165	82.4	6.0 - 7.4 - 10.5	113.3	4.7 - 5.7 - 8.1	144.2	2.7 - 3.3 - 4.7	42	62	55	56	55	54	50
203 x 152	0.03	2.03	63	6.7	2.7 - 4.0 - 6.5	9.2	2.1 - 3.1 - 5.0	11.8	1.2 - 1.8 - 2.9	-	34	22	23	-	-	-
		3.30	102	17.8	4.3 - 5.8 - 8.2	24.4	3.4 - 4.5 - 6.4	31.1	2.0 - 2.6 - 3.7	20	45	35	36	27	18	12
		4.57	142	34.1	5.6 - 6.8 - 9.7	46.8	4.3 - 5.3 - 7.5	59.6	2.5 - 3.1 - 4.4	30	53	44	45	40	34	29
		5.84	181	55.6	6.3 - 7.7 - 10.9	76.4	4.9 - 6.0 - 8.5	97.3	2.8 - 3.5 - 4.9	37	58	51	52	49	46	41
		7.11	220	82.4	7.0 - 8.5 - 12.1	113.3	5.4 - 6.6 - 9.4	144.2	3.1 - 3.8 - 5.4	43	63	56	57	56	56	51
254 x 152	0.04	2.03	79	6.7	3.0 - 4.5 - 7.2	9.2	2.3 - 3.5 - 5.6	11.8	1.3 - 2.0 - 3.2	-	35	23	24	-	-	-
		3.18	123	16.4	4.7 - 6.4 - 9.0	22.6	3.6 - 4.9 - 7.0	28.7	2.1 - 2.9 - 4.1	20	45	35	36	27	17	11
		4.32	167	30.4	6.1 - 7.4 - 10.5	41.8	4.7 - 5.8 - 8.2	53.1	2.7 - 3.3 - 4.7	29	52	44	44	38	32	27
		5.46	211	48.6	6.8 - 8.4 - 11.8	66.8	5.3 - 6.5 - 9.2	85.0	3.1 - 3.8 - 5.3	36	58	50	51	47	43	39
		6.60	256	71.1	7.5 - 9.2 - 13.0	97.7	5.8 - 7.1 - 10.1	124.3	3.4 - 4.1 - 5.9	42	62	55	56	54	53	48
203 x 203	0.04	2.03	84	6.7	3.1 - 4.6 - 7.5	9.2	2.4 - 3.6 - 5.8	11.8	1.4 - 2.1 - 3.4	-	35	23	24	-	-	-
		3.18	131	16.4	4.8 - 6.6 - 9.3	22.6	3.7 - 5.1 - 7.2	28.7	2.2 - 3.0 - 4.2	20	45	35	36	27	17	11
		4.32	178	30.4	6.3 - 7.7 - 10.9	41.8	4.9 - 6.0 - 8.4	53.1	2.8 - 3.5 - 4.9	29	52	44	45	39	32	27
		5.46	225	48.6	7.1 - 8.6 - 12.2	66.8	5.5 - 6.7 - 9.5	85.0	3.2 - 3.9 - 5.5	36	58	50	51	48	44	39
		6.60	273	71.1	7.8 - 9.5 - 13.4	97.7	6.0 - 7.4 - 10.4	124.3	3.5 - 4.3 - 6.0	42	62	56	56	55	53	49
305 x 152	0.05	2.03	94	6.7	3.3 - 4.9 - 7.9	9.2	2.5 - 3.8 - 6.1	11.8	1.5 - 2.2 - 3.6	-	35	24	25	11	-	-
		3.05	142	15.1	4.9 - 6.8 - 9.7	20.8	3.8 - 5.3 - 7.5	26.5	2.2 - 3.1 - 4.4	20	45	35	36	26	16	-
		4.06	189	26.9	6.5 - 7.9 - 11.2	37.0	5.0 - 6.1 - 8.7	47.1	2.9 - 3.6 - 5.0	28	52	43	44	37	30	24
		5.08	236	42.0	7.2 - 8.8 - 12.5	57.8	5.6 - 6.8 - 9.7	73.6	3.2 - 4.0 - 5.6	35	57	49	50	45	41	36
		6.10	283	60.5	7.9 - 9.7 - 13.7	83.2	6.1 - 7.5 - 10.6	105.9	3.6 - 4.4 - 6.2	40	61	54	55	52	50	45
356 x 152	0.05	2.03	110	6.7	3.5 - 5.3 - 8.5	9.2	2.7 - 4.1 - 6.6	11.8	1.6 - 2.4 - 3.8	-	36	24	26	11	-	-
		3.05	165	15.1	5.3 - 7.4 - 10.5	20.8	4.1 - 5.7 - 8.1	26.5	2.4 - 3.3 - 4.7	20	46	36	36	27	16	11
		4.06	220	26.9	7.0 - 8.5 - 12.1	37.0	5.4 - 6.6 - 9.4	47.1	3.1 - 3.8 - 5.4	29	52	43	44	38	30	25
		5.08	275	42.0	7.8 - 9.5 - 13.5	57.8	6.0 - 7.4 - 10.5	73.6	3.5 - 4.3 - 6.1	35	57	50	50	46	41	36
		6.10	330	60.5	8.5 - 10.5 - 14.8	83.2	6.6 - 8.1 - 11.5	105.9	3.8 - 4.7 - 6.7	41	62	55	55	53	50	46
305 x 203	0.06	2.03	126	6.7	3.8 - 5.7 - 9.1	9.2	2.9 - 4.4 - 7.1	11.8	1.7 - 2.5 - 4.1	-	37	25	26	12	-	-
		3.05	189	15.1	5.7 - 7.9 - 11.2	20.8	4.4 - 6.1 - 8.7	26.5	2.5 - 3.6 - 5.0	21	46	36	37	27	17	11
		4.06	252	26.9	7.5 - 9.1 - 12.9	37.0	5.8 - 7.1 - 10.0	47.1	3.4 - 4.1 - 5.8	29	53	44	45	38	31	26
		5.08	315	42.0	8.3 - 10.2 - 14.4	57.8	6.5 - 7.9 - 11.2	73.6	3.7 - 4.6 - 6.5	36	58	50	51	47	42	37
		6.10	378	60.5	9.1 - 11.2 - 15.8	83.2	7.1 - 8.7 - 12.3	105.9	4.1 - 5.0 - 7.1	41	62	55	56	53	51	46
254 x 254	0.06	2.03	131	6.7	3.8 - 5.8 - 9.3	9.2	3.0 - 4.5 - 7.2	11.8	1.7 - 2.6 - 4.2	-	37	25	26	12	-	-
		3.05	197	15.1	5.8 - 8.1 - 11.4	20.8	4.5 - 6.3 - 8.8	26.5	2.6 - 3.6 - 5.1	21	46	36	37	27	17	11
		4.06	262	26.9	7.6 - 9.3 - 13.2	37.0	5.9 - 7.2 - 10.2	47.1	3.4 - 4.2 - 5.9	29	53	44	45	38	31	26
		5.08	328	42.0	8.5 - 10.4 - 14.7	57.8	6.6 - 8.1 - 11.4	73.6	3.8 - 4.7 - 6.6	36	58	50	51	47	42	37
		6.10	393	60.5	9.3 - 11.4 - 16.1	83.2	7.2 - 8.8 - 12.5	105.9	4.2 - 5.1 - 7.3	42	62	55	56	54	51	46
457 x 152	0.07	2.03	142	6.7	4.0 - 6.0 - 9.7	9.2	3.1 - 4.7 - 7.5	11.8	1.8 - 2.7 - 4.4	-	37	25	27	13	-	-
		3.05	212	15.1	6.0 - 8.4 - 11.9	20.8	4.7 - 6.5 - 9.2	26.5	2.7 - 3.8 - 5.3	21	47	37	38	28	17	12
		4.06	283	26.9	7.9 - 9.7 - 13.7	37.0	6.1 - 7.5 - 10.6	47.1	3.6 - 4.4 - 6.2	30	53	44	45	39	31	26
		5.08	354	42.0	8.8 - 10.8 - 15.3	57.8	6.8 - 8.4 - 11.9	73.6	4.0 - 4.9 - 6.9	36	59	51	51	47	42	38
		6.10	425	60.5	9.7 - 11.9 - 16.8	83.2	7.5 - 9.2 - 13.0	105.9	4.4 - 5.3 - 7.5	42	63	56	56	54	51	47
305 x 254	0.08	2.03	157	6.7	4.2 - 6.3 - 10.2	9.2	3.3 - 4.9 - 7.9	11.8	1.9 - 2.8 - 4.6	-	38	26	27	13	-	-
		3.05	236	15.1	6.3 - 8.8 - 12.5	20.8	4.9 - 6.8 - 9.7	26.5	2.8 - 4.0 - 5.6	22	47	37	38	28	18	12
		4.06	315	26.9	8.3 - 10.2 - 14.4	37.0	6.5 - 7.9 - 11.2	47.1	3.7 - 4.6 - 6.5	30	54	45	46	39	32	27
		5.08	393	42.0	9.3 - 11.4 - 16.1	57.8	7.2 - 8.8 - 12.5	73.6	4.2 - 5.1 - 7.3	37	59	51	52	48	43	38
		6.10	472	60.5	10.2 - 12.5 - 17.7	83.2	7.9 - 9.7 - 13.7	105.9	4.6 - 5.6 - 8.0	42	63	56	57	54	52	47
559 x 152	0.09	2.03	173	6.7	4.4 - 6.6 - 10.7	9.2	3.4 - 5.1 - 8.3	11.8	2.0 - 3.0 - 4.8	-	38	26	28	13	-	-
		3.05	260	15.1	6.6 - 9.3 - 13.1	20.8	5.1 - 7.2 - 10.2	26.5	3.0 - 4.2 - 5.9	22	47	37	38	29	18	13
		4.06	346	26.9	8.7 - 10.7 - 15.1	37.0	6.8 - 8.3 - 11.7	47.1	3.9 - 4.8 - 6.8	31	54	45	46	40	32	27
		5.08	433	42.0	9.8 - 12.0 - 16.9	57.8	7.6 - 9.3 - 13.1	73.6	4.4 - 5.4 - 7.6	37	59	51	52	48	43	38
		6.10	519	60.5	10.7 - 13.1 - 18.5	83.2	8.3 - 10.2 - 14.4	105.9	4.8 - 5.9 - 8.3	43	64	57	57	55	52	48

NOTE: See notes on page I1-43.

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880, 4880, 800 Series Performance Data: Horizontal Throw
METRIC DATA: 80, 580, 880, 5880, 585, 5885, 480, 4880, 800, 5800 (WITH OBD/MULTILOUVER)

Nom Duct	Duct Area	Neck Vel	Air Flow	0°		22.5°		45°		NC	Octave Band, dB					
				Pt	Throw	Pt	Throw	Pt	Throw		2	3	4	5	6	7
				Pa	m	Pa	m	Pa	m							
305 x 305	0.09	2.03	189	6.7	4.6 - 6.9 - 11.2	9.2	3.6 - 5.4 - 8.7	11.8	2.1 - 3.1 - 5.0	-	38	27	28	14	-	-
		2.92	271	13.9	6.6 - 9.5 - 13.4	19.1	5.1 - 7.3 - 10.4	24.3	3.0 - 4.3 - 6.0	21	47	37	38	27	16	11
		3.81	354	23.7	8.7 - 10.8 - 15.3	32.5	6.7 - 8.4 - 11.9	41.4	3.9 - 4.9 - 6.9	29	53	44	45	37	30	24
		4.70	437	36.0	9.8 - 12.0 - 17.0	49.5	7.6 - 9.3 - 13.2	62.9	4.4 - 5.4 - 7.6	35	58	50	51	45	40	35
		5.59	519	50.9	10.7 - 13.1 - 18.5	69.9	8.3 - 10.2 - 14.4	89.0	4.8 - 5.9 - 8.3	41	62	54	55	52	48	44
457 x 254	0.12	2.03	236	6.7	5.2 - 7.7 - 12.5	9.2	4.0 - 6.0 - 9.7	11.8	2.3 - 3.5 - 5.6	11	39	28	29	15	-	-
		2.92	339	13.9	7.4 - 10.6 - 15.0	19.1	5.8 - 8.2 - 11.6	24.3	3.3 - 4.8 - 6.7	22	48	38	39	28	17	12
		3.81	442	23.7	9.7 - 12.1 - 17.1	32.5	7.5 - 9.4 - 13.3	41.4	4.4 - 5.4 - 7.7	30	54	45	46	38	31	25
		4.70	546	36.0	11.0 - 13.4 - 19.0	49.5	8.5 - 10.4 - 14.7	62.9	4.9 - 6.0 - 8.6	36	59	51	51	46	41	36
		5.59	649	50.9	12.0 - 14.7 - 20.7	69.9	9.3 - 11.4 - 16.1	89.0	5.4 - 6.6 - 9.3	41	63	55	56	53	49	45
356 x 356	0.13	2.03	257	6.7	5.4 - 8.1 - 13.0	9.2	4.2 - 6.3 - 10.1	11.8	2.4 - 3.6 - 5.9	12	40	28	29	15	-	-
		2.92	369	13.9	7.7 - 11.1 - 15.6	19.1	6.0 - 8.6 - 12.1	24.3	3.5 - 5.0 - 7.0	22	48	38	39	29	18	12
		3.81	482	23.7	10.1 - 12.6 - 17.9	32.5	7.8 - 9.8 - 13.8	41.4	4.5 - 5.7 - 8.0	30	54	45	46	39	31	26
		4.70	594	36.0	11.4 - 14.0 - 19.8	49.5	8.9 - 10.9 - 15.4	62.9	5.2 - 6.3 - 8.9	37	59	51	52	47	41	36
		5.59	707	50.9	12.5 - 15.3 - 21.6	69.9	9.7 - 11.9 - 16.8	89.0	5.6 - 6.9 - 9.7	42	63	56	57	53	50	45
686 x 203	0.14	2.03	283	6.7	5.7 - 8.5 - 13.7	9.2	4.4 - 6.6 - 10.6	11.8	2.5 - 3.8 - 6.2	12	40	28	30	16	-	-
		2.92	407	13.9	8.1 - 11.6 - 16.4	19.1	6.3 - 9.0 - 12.7	24.3	3.7 - 5.2 - 7.4	23	49	38	39	29	18	12
		3.81	531	23.7	10.6 - 13.3 - 18.7	32.5	8.2 - 10.3 - 14.5	41.4	4.8 - 6.0 - 8.4	31	55	46	47	39	31	26
		4.70	655	36.0	12.0 - 14.7 - 20.8	49.5	9.3 - 11.4 - 16.1	62.9	5.4 - 6.6 - 9.4	37	60	51	52	47	42	37
		5.59	779	50.9	13.1 - 16.1 - 22.7	69.9	10.2 - 12.4 - 17.6	89.0	5.9 - 7.2 - 10.2	42	64	56	57	54	50	45
559 x 254	0.14	2.03	288	6.7	5.7 - 8.6 - 13.8	9.2	4.4 - 6.6 - 10.7	11.8	2.6 - 3.9 - 6.2	12	40	29	30	16	-	-
		2.92	415	13.9	8.2 - 11.7 - 16.6	19.1	6.4 - 9.1 - 12.8	24.3	3.7 - 5.3 - 7.5	23	49	39	40	29	18	13
		3.81	541	23.7	10.7 - 13.4 - 18.9	32.5	8.3 - 10.4 - 14.7	41.4	4.8 - 6.0 - 8.5	31	55	46	47	39	31	26
		4.70	667	36.0	12.1 - 14.9 - 21.0	49.5	9.4 - 11.5 - 16.3	62.9	5.5 - 6.7 - 9.5	37	60	52	52	47	42	37
		5.59	793	50.9	13.2 - 16.2 - 22.9	69.9	10.3 - 12.6 - 17.8	89.0	6.0 - 7.3 - 10.3	42	64	56	57	54	50	45
610 x 254	0.15	1.52	236	3.8	4.2 - 6.7 - 12.5	5.2	3.2 - 5.2 - 9.7	6.6	1.9 - 3.0 - 5.6	-	34	21	22	-	-	-
		2.41	374	9.5	7.1 - 10.6 - 15.7	13.0	5.5 - 8.2 - 12.2	16.6	3.2 - 4.8 - 7.1	18	45	34	35	22	-	-
		3.30	511	17.8	9.7 - 13.0 - 18.4	24.4	7.5 - 10.1 - 14.3	31.1	4.4 - 5.9 - 8.3	27	52	42	43	34	25	19
		4.19	649	28.6	12.0 - 14.7 - 20.7	39.3	9.3 - 11.4 - 16.1	50.1	5.4 - 6.6 - 9.3	34	58	49	50	43	36	31
		5.08	787	42.0	13.2 - 16.1 - 22.8	57.8	10.2 - 12.5 - 17.7	73.6	5.9 - 7.3 - 10.3	40	62	54	55	51	46	41
457 x 356	0.16	1.52	248	3.8	4.3 - 6.9 - 12.8	5.2	3.3 - 5.3 - 9.9	6.6	1.9 - 3.1 - 5.8	-	34	21	23	-	-	-
		2.41	392	9.5	7.3 - 10.9 - 16.1	13.0	5.6 - 8.4 - 12.5	16.6	3.3 - 4.9 - 7.3	18	45	34	35	23	-	-
		3.30	537	17.8	9.9 - 13.3 - 18.8	24.4	7.7 - 10.3 - 14.6	31.1	4.5 - 6.0 - 8.5	27	52	42	43	35	25	19
		4.19	681	28.6	12.3 - 15.0 - 21.2	39.3	9.5 - 11.6 - 16.5	50.1	5.5 - 6.8 - 9.6	34	58	49	50	43	37	31
		5.08	826	42.0	13.5 - 16.5 - 23.4	57.8	10.5 - 12.8 - 18.1	73.6	6.1 - 7.4 - 10.5	40	62	54	55	51	46	41
406 x 406	0.17	1.52	252	3.8	4.3 - 6.9 - 12.9	5.2	3.3 - 5.4 - 10.0	6.6	1.9 - 3.1 - 5.8	-	34	21	23	-	-	-
		2.41	399	9.5	7.3 - 11.0 - 16.2	13.0	5.7 - 8.5 - 12.6	16.6	3.3 - 4.9 - 7.3	18	45	34	35	23	-	-
		3.30	545	17.8	10.0 - 13.4 - 19.0	24.4	7.8 - 10.4 - 14.7	31.1	4.5 - 6.0 - 8.5	27	52	43	43	35	25	19
		4.19	692	28.6	12.4 - 15.1 - 21.4	39.3	9.6 - 11.7 - 16.6	50.1	5.6 - 6.8 - 9.6	34	58	49	50	44	37	32
		5.08	839	42.0	13.6 - 16.7 - 23.6	57.8	10.5 - 12.9 - 18.3	73.6	6.1 - 7.5 - 10.6	40	62	54	55	51	46	41
610 x 305	0.19	1.52	283	3.8	4.6 - 7.3 - 13.7	5.2	3.6 - 5.7 - 10.6	6.6	2.1 - 3.3 - 6.2	-	35	22	23	-	-	-
		2.41	448	9.5	7.8 - 11.6 - 17.2	13.0	6.0 - 9.0 - 13.4	16.6	3.5 - 5.2 - 7.8	18	45	34	36	23	-	-
		3.30	614	17.8	10.6 - 14.2 - 20.2	24.4	8.2 - 11.0 - 15.6	31.1	4.8 - 6.4 - 9.1	28	53	43	44	35	25	20
		4.19	779	28.6	13.1 - 16.1 - 22.7	39.3	10.2 - 12.4 - 17.6	50.1	5.9 - 7.2 - 10.2	35	58	50	50	44	37	32
		5.08	944	42.0	14.4 - 17.7 - 25.0	57.8	11.2 - 13.7 - 19.4	73.6	6.5 - 8.0 - 11.2	41	63	55	56	51	47	42
457 x 457	0.21	1.52	319	3.8	4.9 - 7.8 - 14.5	5.2	3.8 - 6.0 - 11.3	6.6	2.2 - 3.5 - 6.5	-	35	22	24	-	-	-
		2.41	504	9.5	8.2 - 12.3 - 18.3	13.0	6.4 - 9.6 - 14.2	16.6	3.7 - 5.6 - 8.2	19	46	35	36	24	11	-
		3.30	690	17.8	11.3 - 15.1 - 21.4	24.4	8.7 - 11.7 - 16.6	31.1	5.1 - 6.8 - 9.6	28	53	44	45	36	26	20
		4.19	876	28.6	13.9 - 17.0 - 24.1	39.3	10.8 - 13.2 - 18.7	50.1	6.3 - 7.7 - 10.8	35	59	50	51	45	38	33
		5.08	1062	42.0	15.3 - 18.7 - 26.5	57.8	11.9 - 14.5 - 20.5	73.6	6.9 - 8.4 - 11.9	41	63	55	56	52	47	42
610 x 356	0.22	1.52	330	3.8	4.9 - 7.9 - 14.8	5.2	3.8 - 6.2 - 11.5	6.6	2.2 - 3.6 - 6.7	-	35	22	24	-	-	-
		2.41	523	9.5	8.4 - 12.6 - 18.6	13.0	6.5 - 9.7 - 14.4	16.6	3.8 - 5.7 - 8.4	19	46	35	36	24	11	-
		3.30	716	17.8	11.5 - 15.4 - 21.8	24.4	8.9 - 11.9 - 16.9	31.1	5.2 - 6.9 - 9.8	28	53	44	45	36	26	21
		4.19	908	28.6	14.2 - 17.3 - 24.5	39.3	11.0 - 13.4 - 19.0	50.1	6.4 - 7.8 - 11.0	35	59	50	51	45	38	33
		5.08	1101	42.0	15.6 - 19.1 - 27.0	57.8	12.1 - 14.8 - 20.9	73.6	7.0 - 8.6 - 12.1	41	63	56	56	52	47	42

SUPPLY GRILLES

80 - 880 - 4880 - 800

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880, 4880, 800 Series Performance Data: Horizontal Throw

METRIC DATA: 80, 580, 880, 5880, 585, 5885, 480, 4880, 800, 5800 (WITH OBD/MULTILOUVER)

Nom Duct	Duct Area	Neck Vel	Air Flow	0°		22.5°		45°		NC	Octave Band, dB					
				Pt	Throw	Pt	Throw	Pt	Throw		2	3	4	5	6	7
				Pa	m	Pa	m	Pa	m							
762 x 305	0.23	1.52	354	3.8	5.1 - 8.2 - 15.3	5.2	4.0 - 6.4 - 11.9	6.6	2.3 - 3.7 - 6.9	-	36	23	24	-	-	-
		2.41	560	9.5	8.7 - 13.0 - 19.3	13.0	6.7 - 10.1 - 14.9	16.6	3.9 - 5.9 - 8.7	19	46	35	37	24	11	-
		3.30	767	17.8	11.9 - 15.9 - 22.5	24.4	9.2 - 12.3 - 17.5	31.1	5.3 - 7.2 - 10.1	29	54	44	45	36	26	21
		4.19	973	28.6	14.7 - 17.9 - 25.4	39.3	11.4 - 13.9 - 19.7	50.1	6.6 - 8.1 - 11.4	36	59	51	51	45	38	33
		5.08	1180	42.0	16.1 - 19.8 - 27.9	57.8	12.5 - 15.3 - 21.7	73.6	7.3 - 8.9 - 12.6	42	64	56	57	52	48	43
610 x 406	0.25	1.52	378	3.8	5.3 - 8.5 - 15.8	5.2	4.1 - 6.6 - 12.3	6.6	2.4 - 3.8 - 7.1	-	36	23	24	-	-	-
		2.41	598	9.5	9.0 - 13.4 - 19.9	13.0	6.9 - 10.4 - 15.4	16.6	4.0 - 6.0 - 9.0	20	47	36	37	25	11	-
		3.30	818	17.8	12.3 - 16.5 - 23.3	24.4	9.5 - 12.8 - 18.0	31.1	5.5 - 7.4 - 10.5	29	54	44	45	36	27	21
		4.19	1038	28.6	15.1 - 18.5 - 26.2	39.3	11.7 - 14.4 - 20.3	50.1	6.8 - 8.3 - 11.8	36	60	51	52	45	38	33
		5.08	1259	42.0	16.7 - 20.4 - 28.9	57.8	12.9 - 15.8 - 22.4	73.6	7.5 - 9.2 - 13.0	42	64	56	57	53	48	43
508 x 508	0.26	1.52	393	3.8	5.4 - 8.7 - 16.1	5.2	4.2 - 6.7 - 12.5	6.6	2.4 - 3.9 - 7.3	-	36	23	25	-	-	-
		2.41	623	9.5	9.1 - 13.7 - 20.3	13.0	7.1 - 10.6 - 15.7	16.6	4.1 - 6.2 - 9.1	20	47	36	37	25	11	-
		3.30	852	17.8	12.5 - 16.8 - 23.7	24.4	9.7 - 13.0 - 18.4	31.1	5.6 - 7.6 - 10.7	29	54	44	45	37	27	21
		4.19	1082	28.6	15.4 - 18.9 - 26.8	39.3	12.0 - 14.7 - 20.7	50.1	7.0 - 8.5 - 12.0	36	60	51	52	45	39	33
		5.08	1311	42.0	17.0 - 20.8 - 29.5	57.8	13.2 - 16.1 - 22.8	73.6	7.7 - 9.4 - 13.3	42	64	56	57	53	48	43
610 x 457	0.28	1.52	425	3.8	5.6 - 9.0 - 16.8	5.2	4.3 - 7.0 - 13.0	6.6	2.5 - 4.1 - 7.5	-	36	24	25	-	-	-
		2.41	673	9.5	9.5 - 14.3 - 21.1	13.0	7.4 - 11.0 - 16.4	16.6	4.3 - 6.4 - 9.5	20	47	36	37	25	12	-
		3.30	920	17.8	13.0 - 17.5 - 24.7	24.4	10.1 - 13.5 - 19.1	31.1	5.9 - 7.9 - 11.1	29	55	45	46	37	27	22
		4.19	1168	28.6	16.1 - 19.7 - 27.8	39.3	12.4 - 15.2 - 21.5	50.1	7.2 - 8.8 - 12.5	37	60	51	52	46	39	34
		5.08	1416	42.0	17.7 - 21.6 - 30.6	57.8	13.7 - 16.8 - 23.7	73.6	8.0 - 9.7 - 13.8	42	65	57	57	53	49	44
762 x 406	0.31	1.52	472	3.8	5.9 - 9.5 - 17.7	5.2	4.6 - 7.4 - 13.7	6.6	2.7 - 4.3 - 8.0	-	37	24	25	-	-	-
		2.41	747	9.5	10.0 - 15.0 - 22.2	13.0	7.8 - 11.6 - 17.2	16.6	4.5 - 6.8 - 10.0	20	48	37	38	25	12	-
		3.30	1023	17.8	13.7 - 18.4 - 26.0	24.4	10.6 - 14.3 - 20.2	31.1	6.2 - 8.3 - 11.7	30	55	45	46	37	28	22
		4.19	1298	28.6	16.9 - 20.7 - 29.3	39.3	13.1 - 16.1 - 22.7	50.1	7.6 - 9.3 - 13.2	37	61	52	53	46	39	34
		5.08	1573	42.0	18.6 - 22.8 - 32.3	57.8	14.4 - 17.7 - 25.0	73.6	8.4 - 10.3 - 14.5	43	65	57	58	54	49	44
559 x 559	0.31	1.52	476	3.8	5.9 - 9.5 - 17.7	5.2	4.6 - 7.4 - 13.8	6.6	2.7 - 4.3 - 8.0	-	37	24	25	-	-	-
		2.41	753	9.5	10.1 - 15.1 - 22.3	13.0	7.8 - 11.7 - 17.3	16.6	4.5 - 6.8 - 10.0	20	48	37	38	26	12	-
		3.30	1031	17.8	13.8 - 18.5 - 26.1	24.4	10.7 - 14.3 - 20.2	31.1	6.2 - 8.3 - 11.8	30	55	45	46	37	28	22
		4.19	1309	28.6	17.0 - 20.8 - 29.4	39.3	13.2 - 16.1 - 22.8	50.1	7.6 - 9.4 - 13.2	37	61	52	53	46	40	34
		5.08	1586	42.0	18.7 - 22.9 - 32.4	57.8	14.5 - 17.8 - 25.1	73.6	8.4 - 10.3 - 14.6	43	65	57	58	54	49	44
914 x 356	0.33	1.52	496	3.8	6.1 - 9.7 - 18.1	5.2	4.7 - 7.5 - 14.0	6.6	2.7 - 4.4 - 8.1	-	37	24	26	-	-	-
		2.41	785	9.5	10.3 - 15.4 - 22.8	13.0	8.0 - 11.9 - 17.7	16.6	4.6 - 6.9 - 10.3	21	48	37	38	26	12	-
		3.30	1074	17.8	14.0 - 18.8 - 26.7	24.4	10.9 - 14.6 - 20.7	31.1	6.3 - 8.5 - 12.0	30	55	45	46	38	28	22
		4.19	1363	28.6	17.3 - 21.2 - 30.0	39.3	13.4 - 16.5 - 23.3	50.1	7.8 - 9.6 - 13.5	37	61	52	53	47	40	34
		5.08	1652	42.0	19.1 - 23.4 - 33.1	57.8	14.8 - 18.1 - 25.6	73.6	8.6 - 10.5 - 14.9	43	65	57	58	54	49	44
610 x 559	0.34	1.52	519	3.8	6.2 - 10.0 - 18.5	5.2	4.8 - 7.7 - 14.4	6.6	2.8 - 4.5 - 8.3	-	37	24	26	-	-	-
		2.29	779	8.5	10.0 - 14.9 - 22.7	11.7	7.7 - 11.6 - 17.6	14.9	4.5 - 6.7 - 10.2	19	47	36	37	24	-	-
		3.05	1038	15.1	13.3 - 18.5 - 26.2	20.8	10.3 - 14.4 - 20.3	26.5	6.0 - 8.3 - 11.8	28	54	43	44	35	24	19
		3.81	1298	23.7	16.6 - 20.7 - 29.3	32.5	12.9 - 16.1 - 22.7	41.4	7.5 - 9.3 - 13.2	35	59	50	50	43	35	30
		4.57	1557	34.1	18.5 - 22.7 - 32.1	46.8	14.4 - 17.6 - 24.9	59.6	8.3 - 10.2 - 14.4	40	63	55	55	50	44	39
762 x 457	0.35	1.52	531	3.8	6.3 - 10.1 - 18.7	5.2	4.9 - 7.8 - 14.5	6.6	2.8 - 4.5 - 8.4	-	37	25	26	-	-	-
		2.29	796	8.5	10.1 - 15.1 - 23.0	11.7	7.8 - 11.7 - 17.8	14.9	4.5 - 6.8 - 10.3	19	47	36	37	24	-	-
		3.05	1062	15.1	13.4 - 18.7 - 26.5	20.8	10.4 - 14.5 - 20.5	26.5	6.0 - 8.4 - 11.9	28	54	44	45	35	24	19
		3.81	1327	23.7	16.8 - 21.0 - 29.6	32.5	13.0 - 16.2 - 23.0	41.4	7.5 - 9.4 - 13.3	35	59	50	51	43	35	30
		4.57	1593	34.1	18.7 - 23.0 - 32.5	46.8	14.5 - 17.8 - 25.2	59.6	8.4 - 10.3 - 14.6	40	63	55	56	50	44	39
914 x 406	0.37	1.52	566	3.8	6.5 - 10.4 - 19.4	5.2	5.0 - 8.1 - 15.0	6.6	2.9 - 4.7 - 8.7	-	38	25	26	-	-	-
		2.29	850	8.5	10.4 - 15.6 - 23.7	11.7	8.1 - 12.1 - 18.4	14.9	4.7 - 7.0 - 10.7	20	47	36	37	24	-	-
		3.05	1133	15.1	13.9 - 19.4 - 27.4	20.8	10.7 - 15.0 - 21.2	26.5	6.2 - 8.7 - 12.3	28	54	44	45	35	25	19
		3.81	1416	23.7	17.3 - 21.6 - 30.6	32.5	13.4 - 16.8 - 23.7	41.4	7.8 - 9.7 - 13.8	35	59	50	51	43	36	30
		4.57	1699	34.1	19.4 - 23.7 - 33.5	46.8	15.0 - 18.4 - 26.0	59.6	8.7 - 10.7 - 15.1	40	63	55	56	50	45	39
914 x 457	0.42	1.52	637	3.8	6.9 - 11.0 - 20.5	5.2	5.3 - 8.5 - 15.9	6.6	3.1 - 5.0 - 9.2	-	38	25	27	-	-	-
		2.29	956	8.5	11.0 - 16.5 - 25.2	11.7	8.5 - 12.8 - 19.5	14.9	5.0 - 7.4 - 11.3	20	48	36	38	25	11	-
		3.05	1274	15.1	14.7 - 20.5 - 29.0	20.8	11.4 - 15.9 - 22.5	26.5	6.6 - 9.2 - 13.1	29	54	44	45	36	25	19
		3.81	1593	23.7	18.4 - 23.0 - 32.5	32.5	14.2 - 17.8 - 25.2	41.4	8.3 - 10.3 - 14.6	35	60	51	51	44	36	31
		4.57	1911	34.1	20.5 - 25.2 - 35.6	46.8	15.9 - 19.5 - 27.6	59.6	9.2 - 11.3 - 16.0	41	64	56	56	51	45	40

NOTE: See notes on page I1-43.

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880, 4880, 800 Series Performance Data: Horizontal Throw

METRIC DATA: 80, 580, 880, 5880, 585, 5885, 480, 4880, 800, 5800 (WITH OBD/MULTILOUVER)

Nom Duct	Duct Area	Neck Vel	Air Flow	0°		22.5°		45°		NC	Octave Band, dB						
				Pt	Throw	Pt	Throw	Pt	Throw		2	3	4	5	6	7	
				Pa	m	Pa	m	Pa	m								
762 x 610	0.46	1.52	708	3.8	7.2 - 11.6 - 21.6	5.2	5.6 - 9.0 - 16.8	6.6	3.3 - 5.2 - 9.7	-	39	26	27	-	-	-	
		2.29	1062	8.5	11.6 - 17.4 - 26.5	11.7	9.0 - 13.5 - 20.5	14.9	5.2 - 7.8 - 11.9	21	48	37	38	25	11	-	
		3.05	1416	15.1	15.5 - 21.6 - 30.6	20.8	12.0 - 16.8 - 23.7	26.5	7.0 - 9.7 - 13.8	29	55	45	46	36	26	20	
		3.81	1770	23.7	19.4 - 24.2 - 34.2	32.5	15.0 - 18.8 - 26.5	41.4	8.7 - 10.9 - 15.4	36	60	51	52	44	37	31	
		4.57	2124	34.1	21.6 - 26.5 - 37.5	46.8	16.8 - 20.5 - 29.1	59.6	9.7 - 11.9 - 16.9	41	64	56	57	51	46	40	
1067 x 457	0.49	1.52	743	3.8	7.4 - 11.9 - 22.2	5.2	5.8 - 9.2 - 17.2	6.6	3.3 - 5.4 - 10.0	-	39	26	27	-	-	-	
		2.29	1115	8.5	11.9 - 17.9 - 27.2	11.7	9.2 - 13.8 - 21.1	14.9	5.4 - 8.0 - 12.2	21	48	37	38	25	12	-	
		3.05	1487	15.1	15.9 - 22.2 - 31.4	20.8	12.3 - 17.2 - 24.3	26.5	7.1 - 10.0 - 14.1	29	55	45	46	36	26	20	
		3.81	1858	23.7	19.8 - 24.8 - 35.1	32.5	15.4 - 19.2 - 27.2	41.4	8.9 - 11.2 - 15.8	36	60	51	52	45	37	31	
		4.57	2230	34.1	22.2 - 27.2 - 38.4	46.8	17.2 - 21.1 - 29.8	59.6	10.0 - 12.2 - 17.3	41	65	56	57	52	46	41	
711 x 711	0.51	1.52	771	3.8	7.6 - 12.1 - 22.6	5.2	5.9 - 9.4 - 17.5	6.6	3.4 - 5.5 - 10.2	-	39	26	27	-	-	-	
		2.29	1156	8.5	12.1 - 18.2 - 27.7	11.7	9.4 - 14.1 - 21.4	14.9	5.5 - 8.2 - 12.4	21	49	37	38	26	12	-	
		3.05	1542	15.1	16.2 - 22.6 - 31.9	20.8	12.5 - 17.5 - 24.8	26.5	7.3 - 10.2 - 14.4	29	55	45	46	36	26	20	
		3.81	1927	23.7	20.2 - 25.3 - 35.7	32.5	15.7 - 19.6 - 27.7	41.4	9.1 - 11.4 - 16.1	36	60	51	52	45	37	32	
		4.57	2313	34.1	22.6 - 27.7 - 39.1	46.8	17.5 - 21.4 - 30.3	59.6	10.2 - 12.4 - 17.6	42	65	56	57	52	46	41	
762 x 711	0.54	1.52	826	3.8	7.8 - 12.6 - 23.4	5.2	6.1 - 9.7 - 18.1	6.6	3.5 - 5.6 - 10.5	-	39	26	28	11	-	-	
		2.29	1239	8.5	12.6 - 18.8 - 28.6	11.7	9.7 - 14.6 - 22.2	14.9	5.6 - 8.5 - 12.9	21	49	38	39	26	12	-	
		3.05	1652	15.1	16.7 - 23.4 - 33.1	20.8	13.0 - 18.1 - 25.6	26.5	7.5 - 10.5 - 14.9	30	56	46	46	37	26	21	
		3.81	2065	23.7	20.9 - 26.1 - 37.0	32.5	16.2 - 20.3 - 28.6	41.4	9.4 - 11.8 - 16.6	36	61	52	53	45	37	32	
		4.57	2478	34.1	23.4 - 28.6 - 40.5	46.8	18.1 - 22.2 - 31.4	59.6	10.5 - 12.9 - 18.2	42	65	57	57	52	46	41	
914 x 610	0.56	1.52	850	3.8	7.9 - 12.7 - 23.7	5.2	6.1 - 9.9 - 18.4	6.6	3.6 - 5.7 - 10.7	-	40	27	28	11	-	-	
		2.22	1239	8.0	12.4 - 18.6 - 28.6	11.1	9.6 - 14.4 - 22.2	14.1	5.6 - 8.4 - 12.9	20	48	37	38	25	11	-	
		2.92	1628	13.9	16.3 - 23.2 - 32.8	19.1	12.6 - 18.0 - 25.4	24.3	7.3 - 10.4 - 14.8	29	55	44	45	35	24	19	
		3.62	2018	21.3	20.2 - 25.8 - 36.5	29.3	15.6 - 20.0 - 28.3	37.3	9.1 - 11.6 - 16.4	35	60	50	51	43	35	29	
		4.32	2407	30.4	23.0 - 28.2 - 39.9	41.8	17.9 - 21.9 - 30.9	53.1	10.4 - 12.7 - 18.0	40	64	55	56	50	43	38	
762 x 762	0.58	1.52	885	3.8	8.1 - 13.0 - 24.2	5.2	6.3 - 10.1 - 18.8	6.6	3.6 - 5.8 - 10.9	-	40	27	28	11	-	-	
		2.22	1290	8.0	12.6 - 18.9 - 29.2	11.1	9.8 - 14.7 - 22.6	14.1	5.7 - 8.5 - 13.2	21	48	37	38	25	11	-	
		2.92	1696	13.9	16.6 - 23.7 - 33.5	19.1	12.9 - 18.4 - 26.0	24.3	7.5 - 10.7 - 15.1	29	55	45	46	35	24	19	
		3.62	2102	21.3	20.6 - 26.4 - 37.3	29.3	15.9 - 20.4 - 28.9	37.3	9.3 - 11.9 - 16.8	35	60	51	51	43	35	30	
		4.32	2507	30.4	23.5 - 28.8 - 40.7	41.8	18.2 - 22.3 - 31.6	53.1	10.6 - 13.0 - 18.3	40	64	55	56	50	44	39	
914 x 711	0.65	1.52	991	3.8	8.6 - 13.7 - 25.6	5.2	6.6 - 10.7 - 19.8	6.6	3.9 - 6.2 - 11.5	-	40	27	29	11	-	-	
		2.22	1445	8.0	13.4 - 20.1 - 30.9	11.1	10.4 - 15.5 - 24.0	14.1	6.0 - 9.0 - 13.9	21	49	38	39	26	11	-	
		2.92	1900	13.9	17.6 - 25.1 - 35.5	19.1	13.6 - 19.4 - 27.5	24.3	7.9 - 11.3 - 16.0	29	55	45	46	36	25	19	
		3.62	2354	21.3	21.8 - 27.9 - 39.5	29.3	16.9 - 21.6 - 30.6	37.3	9.8 - 12.6 - 17.8	36	60	51	52	44	35	30	
		4.32	2808	30.4	24.9 - 30.5 - 43.1	41.8	19.3 - 23.6 - 33.4	53.1	11.2 - 13.7 - 19.4	41	64	56	57	51	44	39	
1168 x 559	0.65	1.52	995	3.8	8.6 - 13.8 - 25.7	5.2	6.7 - 10.7 - 19.9	6.6	3.9 - 6.2 - 11.5	-	40	27	29	11	-	-	
		2.22	1451	8.0	13.4 - 20.1 - 31.0	11.1	10.4 - 15.6 - 24.0	14.1	6.0 - 9.0 - 13.9	21	49	38	39	26	11	-	
		2.92	1907	13.9	17.6 - 25.1 - 35.5	19.1	13.6 - 19.5 - 27.5	24.3	7.9 - 11.3 - 16.0	29	55	45	46	36	25	19	
		3.62	2363	21.3	21.8 - 28.0 - 39.5	29.3	16.9 - 21.7 - 30.7	37.3	9.8 - 12.6 - 17.8	36	60	51	52	44	35	30	
		4.32	2819	30.4	24.9 - 30.5 - 43.2	41.8	19.3 - 23.7 - 33.5	53.1	11.2 - 13.7 - 19.4	41	64	56	57	51	44	39	
813 x 813	0.66	1.52	1007	3.8	8.6 - 13.9 - 25.8	5.2	6.7 - 10.7 - 20.0	6.6	3.9 - 6.2 - 11.6	-	40	27	29	11	-	-	
		2.22	1468	8.0	13.5 - 20.2 - 31.2	11.1	10.4 - 15.7 - 24.2	14.1	6.1 - 9.1 - 14.0	21	49	38	39	26	11	-	
		2.92	1930	13.9	17.7 - 25.3 - 35.7	19.1	13.7 - 19.6 - 27.7	24.3	8.0 - 11.4 - 16.1	29	55	45	46	36	25	19	
		3.62	2391	21.3	21.9 - 28.1 - 39.8	29.3	17.0 - 21.8 - 30.8	37.3	9.9 - 12.7 - 17.9	36	60	51	52	44	36	30	
		4.32	2853	30.4	25.1 - 30.7 - 43.5	41.8	19.4 - 23.8 - 33.7	53.1	11.3 - 13.8 - 19.6	41	65	56	57	51	44	39	
914 x 762	0.70	1.52	1062	3.8	8.9 - 14.2 - 26.5	5.2	6.9 - 11.0 - 20.5	6.6	4.0 - 6.4 - 11.9	-	40	28	29	12	-	-	
		2.22	1549	8.0	13.8 - 20.8 - 32.0	11.1	10.7 - 16.1 - 24.8	14.1	6.2 - 9.3 - 14.4	21	49	38	39	26	12	-	
		2.92	2035	13.9	18.2 - 26.0 - 36.7	19.1	14.1 - 20.1 - 28.4	24.3	8.2 - 11.7 - 16.5	30	56	45	46	36	25	19	
		3.62	2522	21.3	22.5 - 28.9 - 40.9	29.3	17.5 - 22.4 - 31.7	37.3	10.1 - 13.0 - 18.4	36	61	51	52	44	36	30	
		4.32	3009	30.4	25.8 - 31.6 - 44.6	41.8	20.0 - 24.5 - 34.6	53.1	11.6 - 14.2 - 20.1	41	65	56	57	51	44	39	
914 x 813	0.74	1.52	1133	3.8	9.2 - 14.7 - 27.4	5.2	7.1 - 11.4 - 21.2	6.6	4.1 - 6.6 - 12.3	-	41	28	29	12	-	-	
		2.22	1652	8.0	14.3 - 21.4 - 33.1	11.1	11.1 - 16.6 - 25.6	14.1	6.4 - 9.6 - 14.9	22	50	38	39	26	12	-	
		2.92	2171	13.9	18.8 - 26.8 - 37.9	19.1	14.6 - 20.8 - 29.4	24.3	8.5 - 12.1 - 17.1	30	56	46	47	36	25	20	
		3.62	2690	21.3	23.3 - 29.8 - 42.2	29.3	18.0 - 23.1 - 32.7	37.3	10.5 - 13.4 - 19.0	36	61	52	52	45	36	31	
		4.32	3209	30.4	26.6 - 32.6 - 46.1	41.8	20.6 - 25.3 - 35.7	53.1	12.0 - 14.7 - 20.7	41	65	56	57	51	45	40	

SUPPLY GRILLES

80 - 880 - 4880 - 800

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880, 4880, 800 Series Performance Data: Horizontal Throw

METRIC DATA: 80, 580, 880, 5880, 585, 5885, 480, 4880, 800, 5800 (WITH OBD/MULTILOUVER)

Nom Duct	Duct Area	Neck Vel	Air Flow	0°		22.5°		45°		NC	Octave Band, dB					
				Pt	Throw	Pt	Throw	Pt	Throw		2	3	4	5	6	7
				Pa	m	Pa	m	Pa	m							
864 x 864	0.75	1.52	1137	3.8	9.2 - 14.7 - 27.4	5.2	7.1 - 11.4 - 21.3	6.6	4.1 - 6.6 - 12.3	-	41	28	29	12	-	-
		2.22	1658	8.0	14.3 - 21.5 - 33.1	11.1	11.1 - 16.6 - 25.7	14.1	6.4 - 9.7 - 14.9	22	50	38	39	26	12	-
		2.92	2178	13.9	18.8 - 26.9 - 38.0	19.1	14.6 - 20.8 - 29.4	24.3	8.5 - 12.1 - 17.1	30	56	46	47	36	25	20
		3.62	2699	21.3	23.3 - 29.9 - 42.3	29.3	18.1 - 23.2 - 32.8	37.3	10.5 - 13.4 - 19.0	36	61	52	53	45	36	31
		4.32	3220	30.4	26.7 - 32.6 - 46.2	41.8	20.7 - 25.3 - 35.8	53.1	12.0 - 14.7 - 20.8	42	65	56	57	51	45	40
914 x 864	0.79	1.52	1203	3.8	9.4 - 15.2 - 28.2	5.2	7.3 - 11.7 - 21.9	6.6	4.3 - 6.8 - 12.7	11	41	28	29	12	-	-
		2.16	1705	7.6	14.3 - 21.5 - 33.6	10.4	11.1 - 16.6 - 26.0	13.3	6.4 - 9.7 - 15.1	21	49	38	39	25	11	-
		2.79	2206	12.7	18.5 - 27.0 - 38.2	17.5	14.4 - 20.9 - 29.6	22.3	8.3 - 12.2 - 17.2	29	55	45	46	35	24	18
		3.43	2708	19.2	22.7 - 29.9 - 42.3	26.3	17.6 - 23.2 - 32.8	33.5	10.2 - 13.5 - 19.1	35	60	50	51	43	34	28
		4.06	3209	26.9	26.6 - 32.6 - 46.1	37.0	20.6 - 25.3 - 35.7	47.1	12.0 - 14.7 - 20.7	40	64	55	56	49	42	37
1067 x 762	0.81	1.52	1239	3.8	9.6 - 15.4 - 28.6	5.2	7.4 - 11.9 - 22.2	6.6	4.3 - 6.9 - 12.9	11	41	28	30	12	-	-
		2.16	1755	7.6	14.5 - 21.8 - 34.1	10.4	11.3 - 16.9 - 26.4	13.3	6.5 - 9.8 - 15.3	21	49	38	39	25	11	-
		2.79	2271	12.7	18.8 - 27.4 - 38.8	17.5	14.6 - 21.2 - 30.0	22.3	8.5 - 12.3 - 17.4	29	55	45	46	35	24	18
		3.43	2787	19.2	23.1 - 30.4 - 43.0	26.3	17.9 - 23.5 - 33.3	33.5	10.4 - 13.7 - 19.3	35	60	51	51	43	34	28
		4.06	3304	26.9	27.0 - 33.1 - 46.8	37.0	20.9 - 25.6 - 36.2	47.1	12.1 - 14.9 - 21.0	40	64	55	56	49	42	37
914 x 914	0.84	1.52	1274	3.8	9.7 - 15.6 - 29.0	5.2	7.5 - 12.1 - 22.5	6.6	4.4 - 7.0 - 13.1	11	41	28	30	12	-	-
		2.16	1805	7.6	14.7 - 22.1 - 34.6	10.4	11.4 - 17.1 - 26.8	13.3	6.6 - 9.9 - 15.6	21	49	38	39	26	11	-
		2.79	2336	12.7	19.1 - 27.8 - 39.3	17.5	14.8 - 21.5 - 30.5	22.3	8.6 - 12.5 - 17.7	29	55	45	46	35	24	18
		3.43	2867	19.2	23.4 - 30.8 - 43.6	26.3	18.1 - 23.9 - 33.8	33.5	10.5 - 13.9 - 19.6	35	60	51	52	43	34	28
		4.06	3398	26.9	27.4 - 33.5 - 47.4	37.0	21.2 - 26.0 - 36.8	47.1	12.3 - 15.1 - 21.3	40	64	55	56	49	42	37
1219 x 762	0.93	1.52	1416	3.8	10.2 - 16.4 - 30.6	5.2	7.9 - 12.7 - 23.7	6.6	4.6 - 7.4 - 13.8	11	42	29	30	13	-	-
		2.16	2006	7.6	15.5 - 23.3 - 36.4	10.4	12.0 - 18.0 - 28.2	13.3	7.0 - 10.5 - 16.4	22	50	38	40	26	12	-
		2.79	2596	12.7	20.1 - 29.3 - 41.4	17.5	15.6 - 22.7 - 32.1	22.3	9.0 - 13.2 - 18.7	29	56	45	46	36	24	18
		3.43	3186	19.2	24.6 - 32.5 - 45.9	26.3	19.1 - 25.2 - 35.6	33.5	11.1 - 14.6 - 20.7	36	61	51	52	43	34	29
		4.06	3776	26.9	28.9 - 35.3 - 50.0	37.0	22.4 - 27.4 - 38.7	47.1	13.0 - 15.9 - 22.5	41	65	56	57	50	43	37
965 x 965	0.93	1.52	1420	3.8	10.3 - 16.5 - 30.7	5.2	8.0 - 12.8 - 23.8	6.6	4.6 - 7.4 - 13.8	11	42	29	30	13	-	-
		2.16	2011	7.6	15.5 - 23.3 - 36.5	10.4	12.0 - 18.1 - 28.3	13.3	7.0 - 10.5 - 16.4	22	50	38	40	26	12	-
		2.79	2603	12.7	20.1 - 29.3 - 41.5	17.5	15.6 - 22.7 - 32.2	22.3	9.1 - 13.2 - 18.7	29	56	45	46	36	24	18
		3.43	3194	19.2	24.7 - 32.5 - 46.0	26.3	19.1 - 25.2 - 35.6	33.5	11.1 - 14.6 - 20.7	36	61	51	52	44	34	29
		4.06	3786	26.9	28.9 - 35.4 - 50.1	37.0	22.4 - 27.4 - 38.8	47.1	13.0 - 15.9 - 22.5	41	65	56	57	50	43	37
1067 x 914	0.98	1.52	1487	3.8	10.5 - 16.8 - 31.4	5.2	8.1 - 13.1 - 24.3	6.6	4.7 - 7.6 - 14.1	12	42	29	30	13	-	-
		2.16	2106	7.6	15.9 - 23.9 - 37.3	10.4	12.3 - 18.5 - 28.9	13.3	7.2 - 10.7 - 16.8	22	50	39	40	26	12	-
		2.79	2725	12.7	20.6 - 30.0 - 42.5	17.5	16.0 - 23.3 - 32.9	22.3	9.3 - 13.5 - 19.1	30	56	46	47	36	24	19
		3.43	3345	19.2	25.3 - 33.3 - 47.1	26.3	19.6 - 25.8 - 36.5	33.5	11.4 - 15.0 - 21.2	36	61	51	52	44	35	29
		4.06	3964	26.9	29.6 - 36.2 - 51.2	37.0	22.9 - 28.1 - 39.7	47.1	13.3 - 16.3 - 23.1	41	65	56	57	50	43	38
1168 x 864	1.01	1.52	1538	3.8	10.7 - 17.1 - 31.9	5.2	8.3 - 13.3 - 24.7	6.6	4.8 - 7.7 - 14.4	12	42	29	30	13	-	-
		2.16	2178	7.6	16.2 - 24.3 - 38.0	10.4	12.5 - 18.8 - 29.4	13.3	7.3 - 10.9 - 17.1	22	50	39	40	26	12	-
		2.79	2819	12.7	20.9 - 30.5 - 43.2	17.5	16.2 - 23.7 - 33.5	22.3	9.4 - 13.7 - 19.4	30	56	46	47	36	25	19
		3.43	3460	19.2	25.7 - 33.8 - 47.9	26.3	19.9 - 26.2 - 37.1	33.5	11.6 - 15.2 - 21.5	36	61	51	52	44	35	29
		4.06	4101	26.9	30.1 - 36.8 - 52.1	37.0	23.3 - 28.5 - 40.4	47.1	13.5 - 16.6 - 23.4	41	65	56	57	50	43	38
1067 x 965	1.03	1.52	1569	3.8	10.8 - 17.3 - 32.2	5.2	8.4 - 13.4 - 25.0	6.6	4.9 - 7.8 - 14.5	12	42	29	31	13	-	-
		2.16	2223	7.6	16.3 - 24.5 - 38.4	10.4	12.7 - 19.0 - 29.7	13.3	7.4 - 11.0 - 17.3	22	50	39	40	27	12	-
		2.79	2877	12.7	21.1 - 30.9 - 43.6	17.5	16.4 - 23.9 - 33.8	22.3	9.5 - 13.9 - 19.6	30	56	46	47	36	25	19
		3.43	3531	19.2	26.0 - 34.2 - 48.3	26.3	20.1 - 26.5 - 37.5	33.5	11.7 - 15.4 - 21.8	36	61	52	52	44	35	29
		4.06	4185	26.9	30.4 - 37.2 - 52.6	37.0	23.5 - 28.8 - 40.8	47.1	13.7 - 16.7 - 23.7	41	65	56	57	50	43	38
1016 x 1016	1.03	1.52	1573	3.8	10.8 - 17.3 - 32.3	5.2	8.4 - 13.4 - 25.0	6.6	4.9 - 7.8 - 14.5	12	42	29	31	13	-	-
		2.16	2229	7.6	16.4 - 24.5 - 38.4	10.4	12.7 - 19.0 - 29.8	13.3	7.4 - 11.0 - 17.3	22	50	39	40	27	12	-
		2.79	2884	12.7	21.2 - 30.9 - 43.7	17.5	16.4 - 23.9 - 33.9	22.3	9.5 - 13.9 - 19.7	30	56	46	47	36	25	19
		3.43	3540	19.2	26.0 - 34.2 - 48.4	26.3	20.1 - 26.5 - 37.5	33.5	11.7 - 15.4 - 21.8	36	61	52	52	44	35	29
		4.06	4195	26.9	30.4 - 37.3 - 52.7	37.0	23.6 - 28.9 - 40.8	47.1	13.7 - 16.8 - 23.7	41	65	56	57	50	43	38
1219 x 914	1.11	1.52	1699	3.8	11.2 - 18.0 - 33.5	5.2	8.7 - 14.0 - 26.0	6.6	5.0 - 8.1 - 15.1	12	43	30	31	14	-	-
		2.16	2407	7.6	17.0 - 25.5 - 39.9	10.4	13.2 - 19.8 - 30.9	13.3	7.7 - 11.5 - 18.0	22	51	39	40	27	12	-
		2.79	3115	12.7	22.0 - 32.1 - 45.4	17.5	17.1 - 24.9 - 35.2	22.3	9.9 - 14.4 - 20.4	30	57	46	47	37	25	19
		3.43	3823	19.2	27.0 - 35.6 - 50.3	26.3	20.9 - 27.6 - 39.0	33.5	12.2 - 16.0 - 22.6	36	61	52	53	44	35	30
		4.06	4531	26.9	31.6 - 38.7 - 54.8	37.0	24.5 - 30.0 - 42.4	47.1	14.2 - 17.4 - 24.6	41	65	57	57	51	44	38

NOTE: See notes on page I1-43.

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880, 4880, 800 Series Performance Data: Horizontal Throw
METRIC DATA: 80, 580, 880, 5880, 585, 5885, 480, 4880, 800, 5800 (WITH OBD/MULTILOUVER)

Nom Duct	Duct Area	Neck Vel	Air Flow	0°		22.5°		45°		NC	Octave Band, dB					
				Pt	Throw	Pt	Throw	Pt	Throw		2	3	4	5	6	7
				Pa	m	Pa	m	Pa	m							
1067 x 1067	1.14	1.52	1734	3.8	11.3 - 18.2 - 33.9	5.2	8.8 - 14.1 - 26.3	6.6	5.1 - 8.2 - 15.2	12	43	30	31	14	-	-
		2.16	2457	7.6	17.2 - 25.8 - 40.3	10.4	13.3 - 20.0 - 31.3	13.3	7.7 - 11.6 - 18.1	23	51	39	40	27	12	-
		2.79	3180	12.7	22.2 - 32.4 - 45.9	17.5	17.2 - 25.1 - 35.6	22.3	10.0 - 14.6 - 20.6	30	57	46	47	37	25	19
		3.43	3902	19.2	27.3 - 35.9 - 50.8	26.3	21.1 - 27.9 - 39.4	33.5	12.3 - 16.2 - 22.9	36	61	52	53	44	35	30
		4.06	4625	26.9	31.9 - 39.1 - 55.3	37.0	24.8 - 30.3 - 42.9	47.1	14.4 - 17.6 - 24.9	41	65	57	57	51	44	38
1118 x 1118	1.25	1.52	1904	3.8	11.9 - 19.1 - 35.5	5.2	9.2 - 14.8 - 27.5	6.6	5.3 - 8.6 - 16.0	13	43	30	31	14	-	-
		2.10	2617	7.2	17.5 - 26.2 - 41.6	9.8	13.5 - 20.3 - 32.3	12.5	7.9 - 11.8 - 18.7	22	50	39	40	26	11	-
		2.67	3331	11.6	22.2 - 33.2 - 47.0	15.9	17.2 - 25.7 - 36.4	20.3	10.0 - 14.9 - 21.1	29	56	45	47	35	23	17
		3.24	4045	17.1	27.0 - 36.6 - 51.7	23.5	20.9 - 28.4 - 40.1	29.9	12.1 - 16.5 - 23.3	35	61	51	52	43	33	27
		3.81	4759	23.7	31.8 - 39.7 - 56.1	32.5	24.6 - 30.8 - 43.5	41.4	14.3 - 17.9 - 25.3	40	64	55	56	49	41	35
1219 x 1067	1.30	1.52	1982	3.8	12.1 - 19.4 - 36.2	5.2	9.4 - 15.1 - 28.1	6.6	5.5 - 8.7 - 16.3	13	43	30	32	14	-	-
		2.10	2725	7.2	17.8 - 26.7 - 42.5	9.8	13.8 - 20.7 - 32.9	12.5	8.0 - 12.0 - 19.1	22	51	39	40	26	11	-
		2.67	3469	11.6	22.7 - 33.9 - 47.9	15.9	17.6 - 26.3 - 37.1	20.3	10.2 - 15.2 - 21.6	29	56	46	47	35	23	18
		3.24	4212	17.1	27.5 - 37.3 - 52.8	23.5	21.3 - 28.9 - 40.9	29.9	12.4 - 16.8 - 23.8	35	61	51	52	43	33	27
		3.81	4955	23.7	32.4 - 40.5 - 57.3	32.5	25.1 - 31.4 - 44.4	41.4	14.6 - 18.2 - 25.8	40	65	55	56	49	41	36
1168 x 1168	1.37	1.52	2081	3.8	12.4 - 19.9 - 37.1	5.2	9.6 - 15.4 - 28.8	6.6	5.6 - 9.0 - 16.7	13	43	30	32	15	-	-
		2.10	2861	7.2	18.3 - 27.4 - 43.5	9.8	14.2 - 21.2 - 33.7	12.5	8.2 - 12.3 - 19.6	22	51	39	40	27	12	-
		2.67	3641	11.6	23.2 - 34.7 - 49.1	15.9	18.0 - 26.9 - 38.0	20.3	10.5 - 15.6 - 22.1	30	56	46	47	36	24	18
		3.24	4421	17.1	28.2 - 38.3 - 54.1	23.5	21.9 - 29.6 - 41.9	29.9	12.7 - 17.2 - 24.3	35	61	51	52	43	33	28
		3.81	5201	23.7	33.2 - 41.5 - 58.7	32.5	25.7 - 32.2 - 45.5	41.4	14.9 - 18.7 - 26.4	40	65	56	57	49	41	36
1219 x 1168	1.42	1.52	2171	3.8	12.7 - 20.3 - 37.9	5.2	9.8 - 15.8 - 29.4	6.6	5.7 - 9.2 - 17.1	13	44	31	32	15	-	-
		2.10	2985	7.2	18.7 - 28.0 - 44.4	9.8	14.5 - 21.7 - 34.4	12.5	8.4 - 12.6 - 20.0	23	51	39	41	27	12	-
		2.67	3799	11.6	23.7 - 35.5 - 50.1	15.9	18.4 - 27.5 - 38.9	20.3	10.7 - 16.0 - 22.6	30	57	46	47	36	24	18
		3.24	4613	17.1	28.8 - 39.1 - 55.3	23.5	22.3 - 30.3 - 42.8	29.9	13.0 - 17.6 - 24.9	36	61	51	52	43	33	28
		3.81	5427	23.7	33.9 - 42.4 - 59.9	32.5	26.3 - 32.8 - 46.4	41.4	15.3 - 19.1 - 27.0	40	65	56	57	49	41	36
1219 x 1219	1.49	1.52	2265	3.8	13.0 - 20.8 - 38.7	5.2	10.0 - 16.1 - 30.0	6.6	5.8 - 9.4 - 17.4	13	44	31	32	15	-	-
		2.10	3115	7.2	19.1 - 28.6 - 45.4	9.8	14.8 - 22.2 - 35.2	12.5	8.6 - 12.9 - 20.4	23	51	40	41	27	12	-
		2.67	3964	11.6	24.3 - 36.2 - 51.2	15.9	18.8 - 28.1 - 39.7	20.3	10.9 - 16.3 - 23.1	30	57	46	47	36	24	18
		3.24	4814	17.1	29.4 - 39.9 - 56.4	23.5	22.8 - 30.9 - 43.7	29.9	13.3 - 18.0 - 25.4	36	61	52	53	43	34	28
		3.81	5663	23.7	34.6 - 43.3 - 61.2	32.5	26.8 - 33.6 - 47.4	41.4	15.6 - 19.5 - 27.6	41	65	56	57	50	42	36

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 correction factors in table below. See Krueger's selection software for performance data not shown, including octave band data.

NC Correction Damper (Add)		NC Correction Blade Deflection (Add)			Throw Correction (Multiply)		Pt Correction (Multiply)	
OBD	No OBD	0°	22.5°	45°	OBD	No OBD	OBD	No OBD
0	-2	0	+4	+9	1	0.98	1	0.88

SUPPLY GRILLES

 8
0
-
8
8
0
-
4
8
8
0
-
8
0
0

880, 5880, 5885, 4880 Suggested Specification & Configuration
1. SERIES: (XXXX)

- 880 - Double Deflection, 3/4" Spacing, Steel Sidewall Grille
- 5880 - Double Deflection, 3/4" Spacing, Aluminum Sidewall Grille
- 5885 - Double Deflection, 1/2" Spacing, Aluminum Sidewall Grille
- 4880 - Double Deflection, 1/2" Spacing, Steel Heavy Duty Grille

2. PATTERN: (X)

- H - Horizontal Front Blades
- V - Vertical Front Blades

3. WIDTH: (XX) ***

- 6" - 96" in 2" Increments

4. HEIGHT: (XX) ***

- 4" - 96" in 2" Increments

5. FRAME: (XXX) *

- F22 - Surface Mount
- F23 - Lay-in T-Bar

6. PANEL: (XX)x(XX) **

- NONE
- 12"x24"
- 24"x24"
- 24"x48"

7. FASTENING METHOD: (XX)

- 00 - No Screw Holes
- 01 - Standard Screw Holes
- 02 - Concealed Mounting

8. DAMPER: (XX)

- 00 - No Damper
- 01 - Steel Opposed Blade Damper (Model OBD)
- 15 - Aluminum Opposed Blade Damper (Model 5OBD)

9. ACCESSORIES: (XX)

- 00 - No Accessories
- 01 - Plaster Frame

10. FINISH: (XX)

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

* Model 4880 only available with Frame 22 (F22).

** Minimum of 4" difference required between neck and panel size.

*** Maximum single piece unit is 48"x48".

880, 5880

The double deflection supply grille shall be a Krueger model 880 (steel) or 5880 (aluminum). This grille must have individually adjustable blades on 3/4" centers with friction pivots (plastic blade pivots are not acceptable) made of 22 gage steel (880) or 0.025" aluminum (5880). The frame of the grille must be constructed of 22 gage steel (880) or roll formed aluminum with minimum 0.032" thickness (5880) for sizes less than and equal to 24"x24" and extruded aluminum with nominal thickness 0.040 – 0.050" for sizes greater than 24"x24" with countersunk screw holes. This frame must also produce a border of 1 1/4" around all sides of the grille with mitered corners.

5885

The double deflection supply grille shall be a Krueger model 5885. This grille must have individually adjustable blades on 1/2" centers with friction pivots (plastic blade pivots are not acceptable) made of 0.025" aluminum. The frame of the grille must be constructed of roll formed aluminum with minimum 0.032" thickness for sizes less than and equal to 24"x24" and extruded aluminum with nominal thickness 0.040 – 0.050" for sizes greater than 24"x24" with countersunk screw holes. This frame must also produce a border of 1 1/4" around all sides of the grille with mitered corners.

4880

The heavy-duty double deflection supply grille shall be a Krueger model 4880. This grille must have individually adjustable blades on 1/2" centers fully adjustable from 0° to 40° and made of 14 gage steel for the front set and 24 gage blades spaced on 3/4" centers for the rear set of blades. The frame of the grille must be constructed of 18 gage steel with countersunk screw holes. This frame must also produce a border of 1 1/4" around all sides of the grille with mitered corners.

Optional damper shall be available made of heavy gage steel (OBD) or aluminum (5OBD) 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.

SAMPLE CONFIGURATION: 4880 - V - 12x16 - F22 - NONE - 01 - 00 - 00 - 44

800, 5800 Suggested Specification & Configuration

800, 5800

The supply grille shall be a Krueger model 800 (steel) or 5800 (aluminum). This grille must have individually adjustable blades on 3/4" centers with friction pivots (plastic blade pivots are not acceptable) made of 22 gage steel (800) or 0.025" aluminum (5800). The supply grille must also have a lever accessible at the face of the grille to adjust a set of rear gang operated blades. The frame of the grille must be constructed of 22 gage steel (800) or 0.051" aluminum (5800) and countersunk screw holes. This frame must also produce a border of 1 1/4" around all sides of the grille with mitered corners.

PERFORMANCE

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

FINISH

The paint finish shall be #44 British White and be an anodic acrylic paint, baked at 315°F for 30 minutes. The paint thickness shall be 0.8 – 1.0 mils, gloss at 60° per ASTM D523-89 of 50 – 85%, pencil hardness per ASTM D3363-92A of HB – H, crosshatch adhesion per ASTM D3359-83 of 4B – 5B, impact per ASTM D2794-93 of direct impact >100 in/lb and reverse impact >80 in/lb, salt spray per ASTM B117-9048 of 96 hours, humidity per ASTM D2247-92 of >500 hours and water soak per ASTM D870-92 of 250 hours.

1. SERIES: (XXXX)

- 800 - Single Deflection, 3/4" Spacing, MultiLouver, Steel Sidewall Register
- 5800 - Single Deflection, 3/4" Spacing, MultiLouver, Aluminum Sidewall Register

2. PATTERN: (X)

- H - Horizontal Front Blades
- V - Vertical Front Blades

3. WIDTH: (XX)

- 6" - 48" in 2" Increments

4. HEIGHT: (XX)

- 4" - 36" in 2" Increments

5. FRAME: (XXX)

- F22 - Surface Mount
- F23 - Lay-in T-Bar

6. PANEL: (XX)x(XX) *

- NONE
- 12"x24"
- 24"x24" **
- 24"x48"

7. FASTENING METHOD: (XX)

- 00 - No Screw Holes
- 01 - Standard Screw Holes

8. ACCESSORIES: (XX)

- 00 - No Accessories
- 01 - Plaster Frame

9. FINISH: (XX)

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

* Minimum of 4" difference required between neck and panel size.

** 24"x24" Panel size is the only size available for model 800.

SAMPLE CONFIGURATION: 800 - H - 10x12 - F22 - NONE - 01 - 01 - 35