

**1600, 1850 Performance Data**

IP/METRIC DATA: 1600, 1850, 0° DEFLECTION, 1/8" BARS, 1/4" BAR SPACING (NO OBD)

Nom. Duct	IP Data				NC	Nom. Duct	Metric Data				Octave Band, dB						
	Air Flow	Press Pv	Perpendicular Throw				Air Flow	Press Pv	Perpendicular Throw								
	in.	CFM/ft	"WG	ft			mm	L/s/m	Pa	m	2	3	4	5	6	7	
2"	20	0.012	3-5-11		-	51	3.1	3.1	0.9-1.6-3.3		20	20	-	-	-	-	
	40	0.049	7-11-18		-		6.2	12.3	2.2-3.3-5.5		32	33	21	-	-	-	
	60	0.111	11-16-22		21		9.3	27.6	3.3-4.8-6.8		39	41	33	21	15	12	
	80	0.197	14-18-26		29		12.4	49.1	4.4-5.5-7.8		43	46	41	32	26	22	
	100	0.308	17-20-29		36		15.5	76.7	5.1-6.2-8.7		47	50	48	41	34	29	
	120	0.444	18-22-32		41		18.6	110.5	5.5-6.8-9.6		50	53	53	48	41	36	
140	0.604	20-24-34		45	21.7	150.4	6.0-7.3-10.4		53	56	57	55	47	41			
2 1/2"	40	0.025	6-9-18		-	64	6.2	6.3	1.9-2.8-5.5		27	28	12	-	-	-	
	60	0.057	9-14-22		-		9.3	14.1	2.8-4.2-6.8		34	36	24	-	-	-	
	80	0.101	12-18-26		21		12.4	25.1	3.7-5.5-7.8		39	41	33	20	14	11	
	100	0.157	15-20-29		27		15.5	39.2	4.7-6.2-8.7		43	45	39	29	23	19	
	120	0.226	18-22-32		33		18.6	56.4	5.5-6.8-9.6		46	48	44	36	30	25	
	140	0.308	20-24-34		37		21.7	76.7	6.0-7.3-10.4		48	51	49	43	36	31	
160	0.403	21-26-36		41	24.8	100.2	6.4-7.8-11.1		51	54	53	48	41	35			
3"	60	0.034	8-12-22		-	76	9.3	8.5	2.5-3.7-6.8		31	32	18	-	-	-	
	80	0.061	11-16-26		-		12.4	15.2	3.3-5.0-7.8		36	37	26	11	-	-	
	100	0.095	14-20-29		21		15.5	23.7	4.1-6.2-8.7		40	41	33	20	14	11	
	120	0.137	16-22-32		27		18.6	34.1	5.0-6.8-9.6		43	45	38	27	21	18	
	140	0.186	19-24-34		31		21.7	46.4	5.8-7.3-10.4		45	48	43	34	27	23	
	160	0.244	21-26-36		35		24.8	60.6	6.4-7.8-11.1		47	50	47	39	32	28	
180	0.308	22-27-39		38	27.9	76.7	6.8-8.3-11.7		49	52	50	44	37	32			
3 1/2"	75	0.036	9-14-25		-	89	11.6	8.9	2.8-4.2-7.6		32	33	19	-	-	-	
	100	0.064	12-18-29		-		15.5	15.9	3.7-5.6-8.7		37	38	28	13	-	-	
	125	0.099	15-23-32		23		19.4	24.8	4.7-6.9-9.8		41	43	34	22	16	13	
	150	0.143	18-25-35		28		23.3	35.7	5.6-7.6-10.7		44	46	40	29	23	19	
	175	0.195	22-27-38		33		27.2	48.6	6.6-8.2-11.6		46	49	44	35	29	25	
	200	0.255	23-29-41		36		31.0	63.4	7.1-8.7-12.4		49	51	48	41	34	29	
225	0.322	25-31-43		40	34.9	80.3	7.6-9.3-13.1		51	53	51	45	38	33			
4"	70	0.022	8-12-24		-	102	10.9	5.6	2.4-3.6-7.2		29	29	13	-	-	-	
	100	0.046	11-17-29		-		15.5	11.4	3.4-5.2-8.7		35	36	24	-	-	-	
	130	0.077	15-22-33		20		20.2	19.2	4.5-6.7-10.0		39	41	31	18	12	-	
	160	0.117	18-26-36		26		24.8	29.1	5.5-7.8-11.1		43	45	37	26	20	16	
	190	0.165	22-28-40		31		29.5	41.0	6.6-8.5-12.1		46	48	42	33	26	22	
	220	0.221	25-30-43		35		34.2	54.9	7.5-9.2-13.0		48	51	47	38	32	27	
250	0.285	26-32-46		39	38.8	70.9	8.0-9.8-13.8		50	53	50	43	37	32			
5"	130	0.045	13-19-33		-	127	20.2	11.2	3.9-5.9-10.0		36	37	25	-	-	-	
	160	0.068	16-24-36		-		24.8	17.0	4.8-7.3-11.1		39	41	31	16	11	-	
	190	0.096	19-28-40		24		29.5	24.0	5.7-8.5-12.1		42	44	36	23	17	14	
	220	0.129	22-30-43		29		34.2	32.1	6.6-9.2-13.0		45	47	40	29	23	19	
	250	0.167	25-32-46		32		38.8	41.5	7.6-9.8-13.8		47	49	44	34	28	24	
	280	0.209	28-34-48		35		43.5	52.0	8.5-10.4-14.6		49	51	47	38	32	28	
310	0.256	29-36-51		38	48.1	63.8	8.9-10.9-15.4		50	53	50	42	36	31			
6"	140	0.034	13-19-34		-	152	21.7	8.5	3.8-5.7-10.4		34	35	21	-	-	-	
	180	0.057	16-24-39		-		27.9	14.1	4.9-7.4-11.7		39	40	29	13	-	-	
	220	0.085	20-30-43		23		34.2	21.1	6.0-9.0-13.0		42	44	35	21	16	13	
	260	0.118	23-33-46		28		40.4	29.4	7.1-10.0-14.1		45	47	39	28	22	19	
	300	0.157	27-35-50		32		46.6	39.2	8.2-10.7-15.2		47	49	44	34	27	24	
	340	0.202	30-38-53		36		52.8	50.3	9.3-11.4-16.1		49	52	47	39	32	28	
380	0.252	32-40-56		39	59.0	62.8	9.8-12.1-17.1		51	54	50	43	36	32			
8"	200	0.037	15-23-41		-	203	31.0	9.1	4.6-7.0-12.4		36	37	24	-	-	-	
	250	0.057	19-29-46		-		38.8	14.3	5.8-8.7-13.8		40	41	30	15	-	-	
	300	0.082	23-34-50		25		46.6	20.5	7.0-10.4-15.2		43	45	35	22	16	14	
	350	0.112	27-38-54		29		54.3	27.9	8.1-11.6-16.4		46	48	40	28	22	19	
	400	0.147	31-41-58		33		62.1	36.5	9.3-12.4-17.5		48	50	44	33	27	24	
	450	0.186	34-43-61		36		69.9	46.2	10.4-13.1-18.6		50	52	47	38	32	28	
500	0.229	37-46-64		39	77.6	57.0	11.3-13.8-19.6		52	54	50	42	36	31			

NOTES: See pages K1-34 and K1-40 for correction factors and notes.

LINEAR BAR GRILLES

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**1600, 1850 Performance Data**

IP/METRIC DATA: 1600, 1850, 0° DEFLECTION, 1/8" BARS, 1/4" BAR SPACING (NO OBD)

Nom. Duct	IP Data				NC	Nom. Duct	Metric Data				Octave Band, dB					
	Air Flow	Press Pv	Perpendicular Throw				Air Flow	Press Pv	Perpendicular Throw		2	3	4	5	6	7
	in. CFM/ft	"WG	ft				L/s/m	Pa	m							
10"	200	0.023	14-20-41		-	254	31.0	5.6	4.1-6.2-12.3		33	34	18	-	-	-
	275	0.043	19-28-48		-		42.7	10.6	5.7-8.5-14.5		38	40	27	-	-	-
	350	0.069	24-36-54		23		54.3	17.2	7.2-10.8-16.4		42	44	34	20	14	12
	425	0.102	29-42-59		29		66.0	25.3	8.7-12.8-18.0		46	48	40	27	21	18
	500	0.141	34-46-64		33		77.6	35.0	10.3-13.8-19.6		48	51	44	34	27	24
	575	0.186	39-49-69		37		89.3	46.3	11.8-14.8-21.0		51	53	48	39	33	29
650	0.238	42-52-73		41	100.9	59.2	12.9-15.8-22.3		53	55	52	44	37	33		
12"	220	0.018	13-20-40		-	305	34.2	4.6	4.1-6.2-12.3		32	33	15	-	-	-
	300	0.034	18-28-50		-		46.6	8.5	5.6-8.4-15.2		37	38	24	-	-	-
	380	0.055	23-35-56		21		59.0	13.7	7.1-10.6-17.1		41	43	31	16	11	-
	460	0.081	28-42-62		26		71.4	20.0	8.6-12.9-18.8		45	46	37	23	18	15
	540	0.111	33-47-67		31		83.8	27.6	10.1-14.4-20.3		47	49	42	30	24	21
	620	0.146	38-51-72		35		96.3	36.4	11.6-15.4-21.8		50	52	46	35	29	25
700	0.186	43-54-76		38	108.7	46.4	13.1-16.4-23.1		52	54	49	40	34	30		
14"	310	0.026	18-26-51		-	356	48.1	6.6	5.3-8.0-15.4		36	36	21	-	-	-
	400	0.042	22-33-57		-		62.1	10.4	6.7-10.1-17.3		40	41	29	12	-	-
	490	0.061	27-40-62		23		76.1	15.1	8.1-12.1-19.0		43	45	35	20	15	12
	580	0.083	31-47-67		27		90.0	20.7	9.5-14.2-20.5		46	48	40	27	21	18
	670	0.109	36-51-72		31		104.0	27.1	10.8-15.5-22.0		49	51	44	32	26	23
	760	0.138	40-54-77		35		118.0	34.4	12.2-16.5-23.3		51	53	47	37	31	27
850	0.171	45-57-81		38	132.0	42.6	13.6-17.4-24.6		53	55	51	42	35	31		
16"	300	0.019	16-24-47		-	406	46.6	4.6	4.8-7.2-14.4		33	34	17	-	-	-
	400	0.033	21-32-58		-		62.1	8.2	6.4-9.6-17.5		38	39	25	-	-	-
	500	0.052	26-40-64		21		77.6	12.9	8.0-12.0-19.6		42	43	32	16	11	-
	600	0.075	32-47-70		27		93.1	18.6	9.6-14.4-21.4		45	47	37	23	18	15
	700	0.101	37-54-76		31		108.7	25.3	11.2-16.4-23.1		48	50	42	29	23	20
	800	0.133	42-58-81		35		124.2	33.0	12.8-17.5-24.7		50	52	45	34	28	25
900	0.168	47-61-86		38	139.7	41.8	14.4-18.6-26.2		52	54	49	39	33	29		
18"	420	0.029	21-31-59		-	457	65.2	7.1	6.3-9.5-17.9		38	38	24	-	-	-
	540	0.044	26-39-66		-		83.8	10.9	7.8-11.8-20.0		42	43	31	15	-	-
	660	0.062	31-46-72		24		102.5	15.5	9.3-14.0-21.8		45	47	37	22	17	15
	780	0.084	36-54-77		29		121.1	20.9	10.9-16.3-23.5		48	50	42	29	23	20
	900	0.109	41-58-82		32		139.7	27.1	12.4-17.7-25.1		50	52	46	35	29	25
	1020	0.137	46-62-87		36		158.4	34.1	13.9-18.8-26.5		52	55	49	40	33	30
1140	0.168	51-65-92		39	177.0	41.9	15.4-19.8-27.9		54	57	53	44	38	34		
20"	350	0.016	16-25-49		-	508	54.3	4.0	4.9-7.5-15.0		33	33	15	-	-	-
	475	0.029	22-33-63		-		73.7	7.3	6.8-10.2-19.1		38	39	24	-	-	-
	600	0.047	28-42-70		21		93.1	11.6	8.6-12.8-21.4		42	43	31	15	-	-
	725	0.068	34-51-77		26		112.6	17.0	10.3-15.5-23.6		45	47	37	22	17	14
	850	0.094	40-59-84		31		132.0	23.4	12.1-18.0-25.5		48	50	41	29	23	20
	975	0.124	46-64-90		35		151.4	30.8	13.9-19.3-27.3		50	52	45	34	28	25
1100	0.157	52-67-95		38	170.8	39.2	15.7-20.5-29.0		52	55	49	39	33	29		
24"	400	0.014	16-26-51		-	610	62.1	3.5	4.8-7.8-15.6		33	33	15	-	-	-
	550	0.027	24-35-67		-		85.4	6.7	7.1-10.7-20.5		38	39	24	-	-	-
	700	0.044	30-45-76		21		108.7	10.9	9.1-13.6-23.1		42	43	31	14	-	-
	850	0.064	36-54-84		26		132.0	16.0	11.0-16.6-25.5		46	47	37	22	16	14
	1000	0.089	43-64-91		31		155.2	22.2	13.0-19.5-27.7		48	50	41	28	23	20
	1150	0.118	49-69-98		35		178.5	29.3	14.9-21.0-29.7		51	53	45	34	28	25
1300	0.151	56-73-104		38	201.8	37.5	16.9-22.3-31.5		53	55	49	39	33	29		

**LENGTH & NC CORRECTION FACTORS**

Active Length	2	4	8	10	12
Throw Correction (Multiply)	0.72	1.0	1.5	1.7	1.8
Active Length	2	4	6	8	10
NC Throw Correction (Add)	-3.0	0.0	2.0	3.0	5.0

NOTES: When the diffuser is used as a return, increase the NC by (4) and the negative static pressure, which is (0.8) times the listed total pressure shown. See additional notes on page K1-40.

LINEAR BAR GRILLES

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**1600, 1850 Performance Data**

IP/METRIC DATA: 1600, 1850, 0° DEFLECTION, 1/8" BARS, 1/2" BAR SPACING (NO OBD)

Nom. Duct	IP Data				NC	Nom. Duct	Metric Data				Octave Band, dB						
	Air Flow	Press Pv	Perpendicular Throw				Air Flow	Press Pv	Perpendicular Throw								
	in. CFM/ft	"WG	ft				mm	L/s/m	Pa	m		2	3	4	5	6	7
2"	40	0.031	7-10-18		-	51	6.2	7.7	2.0-3.1-5.5		24	26	13	-	-	-	
	60	0.069	10-15-22		-		9.3	17.3	3.1-4.6-6.8		31	33	25	14	-	-	
	80	0.124	13-18-26		22		12.4	30.8	4.1-5.5-7.8		36	38	34	25	18	14	
	100	0.193	17-20-29		28		15.5	48.1	5.1-6.2-8.7		40	43	40	34	27	22	
	120	0.278	18-22-32		33		18.6	69.2	5.5-6.8-9.6		43	46	46	41	34	28	
	140	0.378	20-24-34		38		21.7	94.2	6.0-7.3-10.4		45	49	50	47	40	34	
160	0.494	21-26-36		42	24.8	123.0	6.4-7.8-11.1		48	51	54	52	45	38			
2 1/2"	50	0.025	7-11-20		-	64	7.8	6.1	2.2-3.3-6.2		24	25	12	-	-	-	
	80	0.063	11-17-26		-		12.4	15.7	3.5-5.2-7.8		32	33	25	13	-	-	
	110	0.119	16-21-30		23		17.1	29.7	4.8-6.5-9.2		37	39	35	26	19	15	
	140	0.193	20-24-34		30		21.7	48.1	6.0-7.3-10.4		41	44	42	35	28	23	
	170	0.285	22-27-38		35		26.4	70.9	6.6-8.1-11.4		44	47	47	43	36	30	
	200	0.394	23-29-41		40		31.0	98.1	7.1-8.7-12.4		47	50	52	49	42	36	
230	0.521	25-31-44		44	35.7	129.7	7.7-9.4-13.3		49	53	56	55	47	40			
3"	60	0.021	8-11-22		-	76	9.3	5.3	2.3-3.5-6.8		23	24	-	-	-	-	
	100	0.060	13-19-29		-		15.5	14.8	3.9-5.8-8.7		32	34	25	13	-	-	
	140	0.117	18-24-34		24		21.7	29.1	5.4-7.3-10.4		38	40	35	26	20	16	
	180	0.193	22-27-39		31		27.9	48.1	6.8-8.3-11.7		42	45	43	36	29	24	
	220	0.288	25-30-43		36		34.2	71.8	7.5-9.2-13.0		45	49	48	44	37	31	
	260	0.403	27-33-46		41		40.4	100.3	8.1-10.0-14.1		48	52	53	51	43	37	
300	0.536	29-35-50		45	46.6	133.5	8.7-10.7-15.2		51	54	57	56	48	42			
3 1/2"	80	0.026	9-14-26		-	89	12.4	6.4	2.8-4.2-7.8		26	27	14	-	-	-	
	120	0.057	14-21-32		-		18.6	14.3	4.2-6.3-9.6		33	34	26	13	-	-	
	160	0.102	18-26-36		23		24.8	25.4	5.6-7.8-11.1		37	40	34	24	18	14	
	200	0.159	23-29-41		29		31.0	39.7	7.0-8.7-12.4		41	44	41	33	26	22	
	240	0.230	26-32-45		34		37.3	57.2	7.8-9.6-13.6		44	47	46	40	33	28	
	280	0.313	28-34-48		39		43.5	77.8	8.5-10.4-14.6		47	50	50	46	39	33	
320	0.408	30-36-51		42	49.7	101.7	9.0-11.1-15.7		49	53	54	52	44	38			
4"	100	0.029	11-16-29		-	102	15.5	7.1	3.2-4.8-8.7		27	29	16	-	-	-	
	145	0.060	15-23-35		-		22.5	14.9	4.7-7.0-10.5		34	35	27	14	-	-	
	190	0.103	20-28-40		23		29.5	25.7	6.1-8.5-12.1		38	40	35	25	19	15	
	235	0.158	25-31-44		30		36.5	39.3	7.6-9.5-13.4		42	44	41	34	27	22	
	280	0.224	28-34-48		35		43.5	55.7	8.5-10.4-14.6		45	48	46	40	33	28	
	325	0.302	30-37-52		39		50.5	75.1	9.1-11.2-15.8		47	50	51	46	39	34	
370	0.391	32-39-55		42	57.4	97.3	9.7-11.9-16.8		49	53	54	51	44	38			
5"	140	0.033	13-20-34		-	127	21.7	8.1	4.0-5.9-10.4		30	31	19	-	-	-	
	190	0.060	18-27-40		-		29.5	15.0	5.4-8.1-12.1		35	37	28	16	-	-	
	240	0.096	22-32-45		24		37.3	23.9	6.8-9.6-13.6		39	41	35	25	19	15	
	290	0.140	27-35-49		29		45.0	35.0	8.2-10.5-14.9		42	44	40	32	26	21	
	340	0.193	31-38-53		34		52.8	48.1	9.3-11.4-16.1		44	47	45	39	32	27	
	390	0.254	33-40-57		38		60.5	63.2	10.0-12.2-17.3		47	50	49	44	37	32	
440	0.323	35-43-60		41	68.3	80.5	10.6-13.0-18.4		49	52	53	49	41	36			
6"	150	0.025	13-19-35		-	152	23.3	6.1	3.8-5.7-10.7		28	29	16	-	-	-	
	210	0.048	18-26-42		-		32.6	12.0	5.4-8.0-12.7		34	35	26	12	-	-	
	270	0.080	23-33-47		22		41.9	19.9	6.9-10.2-14.4		38	40	33	22	16	12	
	330	0.119	28-37-52		28		51.2	29.7	8.4-11.2-15.9		41	44	39	30	23	19	
	390	0.166	33-40-57		32		60.5	41.4	9.9-12.2-17.3		44	47	44	36	30	25	
	450	0.222	35-43-61		37		69.9	55.2	10.7-13.1-18.6		46	49	48	42	35	30	
510	0.285	38-46-65		40	79.2	70.9	11.4-14.0-19.8		49	52	52	47	40	34			
8"	200	0.023	14-21-41		-	203	31.0	5.7	4.3-6.5-12.4		29	30	16	-	-	-	
	280	0.045	20-30-48		-		43.5	11.2	6.1-9.1-14.6		34	36	26	12	-	-	
	360	0.074	26-39-55		22		55.9	18.5	7.8-11.7-16.6		39	41	33	22	16	13	
	440	0.111	31-43-60		28		68.3	27.7	9.6-13.0-18.4		42	44	39	30	23	19	
	520	0.155	37-46-66		33		80.7	38.6	11.3-14.1-20.0		45	47	44	36	30	25	
	600	0.207	41-50-70		37		93.1	51.4	12.4-15.2-21.4		47	50	48	42	35	30	
680	0.265	43-53-75		41	105.6	66.1	13.2-16.1-22.8		49	52	52	47	40	35			

NOTE: See pages K1-36 and K1-40 for correction factors and notes.

LINEAR BAR GRILLES

1600 - 1850

**1600, 1850 Performance Data**

IP/METRIC DATA: 1600, 1850, 0° DEFLECTION, 1/8" BARS, 1/2" BAR SPACING (NO DAMPER)

Nom. Duct	IP Data				NC	Nom. Duct	Metric Data			Octave Band, dB							
	Air Flow	Press Pv	Perpendicular Throw				Air Flow	Press Pv	Perpendicular Throw								
	in. CFM/ft	"WG	ft				mm L/s/m	Pa	m	2	3	4	5	6	7		
10"	300	0.032	19-29-50		-	254	46.6	7.9	5.8-8.7-15.2			32	34	22	-	-	-
	400	0.056	25-38-58		-		62.1	14.0	7.7-11.6-17.5			37	39	30	17	12	-
	500	0.088	32-46-64		26		77.6	21.9	9.6-13.8-19.6			41	43	37	26	20	16
	600	0.127	38-50-70		31		93.1	31.6	11.6-15.2-21.4			44	46	42	33	27	23
	700	0.173	44-54-76		36		108.7	43.0	13.4-16.4-23.1			47	49	47	39	33	28
	800	0.226	47-58-81		39		124.2	56.2	14.3-17.5-24.7			49	52	51	45	38	33
	900	0.285	50-61-86		43	139.7	71.1	15.2-18.6-26.2			51	54	54	49	42	37	
12"	350	0.029	20-30-54		-	305	54.3	7.3	6.1-9.2-16.4			32	34	21	-	-	-
	450	0.048	26-39-61		-		69.9	12.0	7.9-11.8-18.6			37	38	29	15	-	-
	550	0.072	32-47-67		24		85.4	17.9	9.6-14.4-20.5			40	42	35	23	17	14
	650	0.101	37-52-73		29		100.9	25.1	11.4-15.8-22.3			43	45	40	30	23	20
	750	0.134	43-56-79		33		116.4	33.4	13.1-16.9-24.0			45	48	44	35	29	25
	850	0.172	48-59-84		36		132.0	42.9	14.7-18.0-25.5			47	50	47	40	33	29
	950	0.215	51-63-89		40	147.5	53.5	15.6-19.1-27.0			49	52	51	45	38	33	
14"	400	0.027	21-32-58		-	356	62.1	6.8	6.4-9.7-17.5			33	34	21	-	-	-
	540	0.050	29-43-67		-		83.8	12.5	8.7-13.1-20.3			38	39	30	16	11	-
	680	0.079	36-53-75		26		105.6	19.8	11.0-16.1-22.8			42	44	37	26	20	16
	820	0.115	43-58-82		31		127.3	28.8	13.2-17.7-25.1			45	47	42	33	27	23
	960	0.158	51-63-89		36		149.0	39.4	15.5-19.2-27.1			47	50	47	39	33	28
	1100	0.208	55-67-95		40		170.8	51.8	16.8-20.5-29.0			50	52	51	45	38	33
	1240	0.264	59-72-101		43	192.5	65.8	17.8-21.8-30.8			52	55	54	49	42	37	
16"	500	0.032	25-37-64		-	406	77.6	8.1	7.5-11.3-19.6			35	36	24	-	-	-
	640	0.053	32-47-73		21		99.4	13.2	9.6-14.4-22.1			39	40	31	18	12	-
	780	0.079	39-57-80		27		121.1	19.6	11.7-17.3-24.4			42	44	37	26	20	17
	920	0.110	45-62-87		31		142.8	27.3	13.8-18.8-26.5			45	47	42	33	26	22
	1060	0.146	52-66-94		35		164.6	36.3	15.9-20.1-28.5			47	50	46	38	32	27
	1200	0.187	58-70-100		39		186.3	46.5	17.5-21.4-30.3			49	52	50	43	36	32
	1340	0.233	61-74-105		42	208.0	58.0	18.5-22.6-32.0			51	54	53	47	40	35	
18"	600	0.036	28-42-70		-	457	93.1	9.1	8.5-12.7-21.4			36	37	26	11	-	-
	740	0.055	34-52-78		22		114.9	13.8	10.5-15.7-23.8			40	41	33	20	14	11
	880	0.078	41-60-85		27		136.6	19.5	12.4-18.4-26.0			42	45	38	26	20	17
	1020	0.105	47-65-92		31		158.4	26.3	14.4-19.8-27.9			45	47	42	32	26	22
	1160	0.136	54-69-98		35		180.1	34.0	16.4-21.1-29.8			47	50	46	37	31	27
	1300	0.171	60-73-104		38		201.8	42.6	18.2-22.3-31.5			49	52	49	42	35	31
	1440	0.210	63-77-109		41	223.6	52.3	19.2-23.5-33.2			51	54	52	46	39	34	
20"	700	0.040	31-46-76		-	508	108.7	9.9	9.4-14.1-23.1			37	39	28	13	-	-
	850	0.059	37-56-84		23		132.0	14.6	11.4-17.1-25.5			40	42	34	21	15	12
	1000	0.081	44-64-91		28		155.2	20.3	13.4-19.6-27.7			43	45	39	28	21	18
	1150	0.108	51-69-98		32		178.5	26.8	15.4-21.0-29.7			46	48	43	33	27	23
	1300	0.138	57-73-104		36		201.8	34.2	17.4-22.3-31.5			48	50	46	38	31	27
	1450	0.171	63-77-110		39		225.1	42.6	19.2-23.6-33.3			49	52	49	42	36	31
	1600	0.208	66-81-115		42	248.4	51.9	20.2-24.7-35.0			51	54	52	46	39	34	
24"	800	0.036	32-48-81		-	610	124.2	8.9	9.7-14.6-24.7			37	38	27	12	-	-
	980	0.054	39-59-90		23		152.1	13.3	11.9-17.9-27.4			40	42	33	20	14	12
	1160	0.075	46-69-98		28		180.1	18.7	14.1-21.1-29.8			43	45	38	27	21	18
	1340	0.100	54-74-105		32		208.0	24.9	16.3-22.6-32.0			46	48	42	32	26	23
	1520	0.129	61-79-112		36		236.0	32.1	18.5-24.1-34.1			48	50	46	37	31	27
	1700	0.161	68-84-119		39		263.9	40.1	20.7-25.5-36.1			50	52	49	42	35	31
	1880	0.197	72-88-125		42	291.9	49.1	21.9-26.8-37.9			51	54	52	46	39	34	

**LENGTH & NC CORRECTION FACTORS**

Active Length	2	4	8	10	12
Throw Correction (Multiply)	0.72	1.0	1.5	1.7	1.8
Active Length	2	4	6	8	10
NC Throw Correction (Add)	-3.0	0.0	2.0	3.0	5.0

NOTES: When the diffuser is used as a return, increase the NC by (4) and the negative static pressure, which is (0.8) times the listed total pressure shown. See additional notes on page K1-40.

LINEAR BAR GRILLES

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**1600, 1850 Performance Data**

IP/METRIC DATA: 1600, 1850, 15° DEFLECTION, 1/8" BARS, 1/4" BAR SPACING (NO DAMPER)

Nom. Duct	IP Data				NC	Nom. Duct	Metric Data				Octave Band, dB						
	Air Flow	Press Pv	Perpendicular Throw				Air Flow	Press Pv	Perpendicular Throw								
	in. CFM/ft	"WG	ft				mm	L/s/m	Pa	m		2	3	4	5	6	7
2"	30	0.028	5-8-16		-	51	4.7	6.9	1.6-2.4-4.8		33	34	19	-	-	-	
	40	0.049	7-11-18		-		6.2	12.2	2.2-3.2-5.5		38	39	27	11	-	-	
	50	0.077	9-13-20		22		7.8	19.1	2.7-4.1-6.2		42	43	34	20	14	11	
	60	0.110	11-16-22		27		9.3	27.4	3.2-4.8-6.8		45	47	39	27	21	18	
	70	0.150	12-17-24		32		10.9	37.4	3.8-5.2-7.3		47	50	43	33	27	23	
	80	0.196	14-18-26		35		12.4	48.8	4.3-5.5-7.8		49	52	47	39	32	28	
90	0.248	16-19-27		39	14.0	61.8	4.8-5.9-8.3		51	54	51	43	36	32			
2 1/2"	30	0.014	4-7-14		-	64	4.7	3.5	1.2-2.1-4.2		29	29	-	-	-	-	
	50	0.039	8-11-20		-		7.8	9.7	2.3-3.5-6.2		37	38	25	-	-	-	
	70	0.077	11-16-24		23		10.9	19.1	3.3-4.9-7.3		43	44	35	21	15	13	
	90	0.127	14-19-27		30		14.0	31.5	4.2-5.9-8.3		47	49	42	31	25	21	
	110	0.189	17-21-30		36		17.1	47.1	5.1-6.5-9.2		50	53	48	39	33	28	
	130	0.264	19-23-33		41		20.2	65.7	5.8-7.1-10.0		53	56	53	46	39	34	
150	0.351	20-25-35		45	23.3	87.5	6.2-7.6-10.7		56	59	57	51	44	39			
3"	40	0.015	5-8-16		-	76	6.2	3.8	1.6-2.5-5.0		30	30	12	-	-	-	
	60	0.034	8-12-22		-		9.3	8.5	2.5-3.7-6.8		37	38	24	-	-	-	
	80	0.060	11-16-26		21		12.4	15.1	3.3-5.0-7.8		42	43	32	17	12	-	
	100	0.095	14-20-29		27		15.5	23.5	4.2-6.2-8.7		45	47	39	26	20	17	
	120	0.136	16-22-32		33		18.6	33.9	5.0-6.8-9.6		49	51	44	33	27	24	
	140	0.185	19-24-34		37		21.7	46.1	5.8-7.3-10.4		51	54	49	40	33	29	
160	0.242	21-26-36		41	24.8	60.2	6.4-7.8-11.1		53	56	53	45	38	34			
3 1/2"	50	0.016	6-9-19		-	89	7.8	3.9	1.9-2.8-5.7		31	32	13	-	-	-	
	75	0.036	9-14-25		-		11.6	8.9	2.8-4.3-7.6		38	39	25	-	-	-	
	100	0.063	12-19-29		22		15.5	15.8	3.8-5.7-8.7		43	44	34	19	14	11	
	125	0.099	16-23-32		29		19.4	24.6	4.7-6.9-9.8		47	49	40	28	22	19	
	150	0.142	19-25-35		34		23.3	35.4	5.7-7.6-10.7		50	52	46	35	29	25	
	175	0.194	22-27-38		38		27.2	48.2	6.6-8.2-11.6		52	55	50	41	35	30	
200	0.253	23-29-41		42	31.0	63.0	7.1-8.7-12.4		55	57	54	46	40	35			
4"	50	0.011	5-9-17		-	102	7.8	2.8	1.5-2.6-5.2		29	29	-	-	-	-	
	80	0.029	9-14-26		-		12.4	7.2	2.8-4.2-7.8		37	38	23	-	-	-	
	110	0.055	13-19-30		21		17.1	13.6	3.8-5.8-9.2		42	44	32	17	11	-	
	140	0.089	16-24-34		28		21.7	22.1	4.9-7.3-10.4		46	48	39	26	21	18	
	170	0.131	20-27-38		34		26.4	32.6	5.9-8.1-11.4		50	52	45	34	28	24	
	200	0.181	23-29-41		38		31.0	45.1	7.0-8.7-12.4		52	55	50	40	34	30	
230	0.240	25-31-44		42	35.7	59.7	7.7-9.4-13.3		55	57	54	46	39	35			
5"	60	0.010	5-9-18		-	127	9.3	2.4	1.4-2.8-5.5		29	28	-	-	-	-	
	100	0.026	10-15-29		-		15.5	6.6	3.1-4.6-8.7		37	38	23	-	-	-	
	140	0.052	14-21-34		21		21.7	12.9	4.3-6.5-10.4		43	44	33	17	11	-	
	180	0.086	18-27-39		29		27.9	21.4	5.5-8.3-11.7		47	49	40	27	21	18	
	220	0.128	22-30-43		34		34.2	31.9	6.8-9.2-13.0		50	53	46	35	29	25	
	260	0.179	26-33-46		39		40.4	44.6	8.0-10.0-14.1		53	56	51	41	35	31	
300	0.238	29-35-50		43	46.6	59.4	8.7-10.7-15.2		56	58	55	47	40	36			
6"	80	0.011	6-11-22		-	152	12.4	2.8	1.9-3.3-6.7		31	31	11	-	-	-	
	120	0.025	11-16-32		-		18.6	6.2	3.3-5.0-9.6		38	38	23	-	-	-	
	160	0.044	15-22-36		20		24.8	11.1	4.5-6.7-11.1		42	44	31	15	-	-	
	200	0.069	18-27-41		27		31.0	17.3	5.6-8.3-12.4		46	48	38	23	18	15	
	240	0.100	22-32-45		32		37.3	24.9	6.7-9.6-13.6		49	51	43	31	25	22	
	280	0.136	26-34-48		36		43.5	33.9	7.8-10.4-14.6		52	54	47	37	31	27	
320	0.178	29-36-51		40	49.7	44.3	8.9-11.1-15.7		54	56	51	42	36	32			
8"	100	0.009	6-12-23		-	203	15.5	2.3	1.8-3.6-7.1		30	30	-	-	-	-	
	160	0.023	13-19-36		-		24.8	5.8	3.8-5.7-11.1		38	39	23	-	-	-	
	220	0.044	17-26-43		21		34.2	11.0	5.2-7.9-13.0		44	45	32	16	-	-	
	280	0.071	22-33-48		28		43.5	17.8	6.7-10.0-14.6		48	49	39	25	20	17	
	340	0.105	27-38-53		34		52.8	26.2	8.1-11.4-16.1		51	53	45	33	27	24	
	400	0.146	31-41-58		39		62.1	36.3	9.5-12.4-17.5		54	56	50	39	33	29	
460	0.193	36-44-62		43	71.4	48.0	10.8-13.3-18.8		56	58	54	45	38	34			

NOTE: See pages K1-38 and K1-40 for correction factors and notes.

LINEAR BAR GRILLES

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**1600, 1850 Performance Data**

IP/METRIC DATA: 1600, 1850, 15° DEFLECTION, 1/8" BARS, 1/4" BAR SPACING (NO DAMPER)

Nom. Duct	IP Data				NC	Nom. Duct	Metric Data			Octave Band, dB						
	Air Flow	Press Pv	Perpendicular Throw				Air Flow	Press Pv	Perpendicular Throw							
	in. CFM/ft	"WG	ft				mm	L/s/m	Pa	m	2	3	4	5	6	7
10"	140	0.011	8-15-29	-	254	21.7	2.7	2.5-4.4-8.9	33	33	13	-	-	-		
	210	0.025	15-22-42	-		32.6	6.1	4.4-6.7-12.7	40	40	25	-	-	-		
	280	0.044	19-29-48	23		43.5	10.9	5.9-8.9-14.6	44	46	33	16	11	-		
	350	0.068	24-36-54	29		54.3	17.1	7.4-11.1-16.4	48	50	40	25	20	17		
	420	0.099	29-42-59	34		65.2	24.6	8.9-12.7-17.9	51	53	45	33	27	24		
	490	0.134	34-45-64	38		76.1	33.4	10.4-13.7-19.4	54	56	49	39	32	29		
560	0.175	39-48-68	42	86.9	43.7	11.8-14.6-20.7	56	58	53	44	38	34				
12"	180	0.012	10-17-34	-	305	27.9	3.0	3.1-5.2-10.4	35	35	15	-	-	-		
	250	0.024	16-24-46	-		38.8	5.9	4.8-7.2-13.8	40	41	25	-	-	-		
	320	0.039	20-30-51	22		49.7	9.6	6.1-9.2-15.7	44	45	32	15	-	-		
	390	0.057	25-37-57	27		60.5	14.3	7.5-11.2-17.3	48	49	38	23	17	15		
	460	0.080	29-44-62	32		71.4	19.9	8.8-13.2-18.8	50	52	43	29	23	21		
	530	0.106	33-47-66	36		82.3	26.4	10.2-14.2-20.1	53	55	47	35	29	26		
600	0.136	38-50-70	40	93.1	33.9	11.5-15.2-21.4	55	57	50	40	34	30				
14"	200	0.011	10-17-35	-	356	31.0	2.7	3.0-5.3-10.6	34	34	14	-	-	-		
	300	0.025	17-26-50	-		46.6	6.1	5.3-8.0-15.2	41	42	26	-	-	-		
	400	0.044	23-35-58	24		62.1	10.9	7.1-10.6-17.5	46	47	35	18	13	11		
	500	0.068	29-44-64	30		77.6	17.0	8.9-13.3-19.6	50	51	41	27	21	19		
	600	0.098	35-50-70	36		93.1	24.4	10.6-15.2-21.4	53	54	46	34	28	25		
	700	0.134	41-54-76	40		108.7	33.2	12.4-16.4-23.1	55	57	51	40	34	30		
800	0.174	47-58-81	44	124.2	43.4	14.2-17.5-24.7	57	60	55	45	39	35				
16"	200	0.008	8-16-33	-	406	31.0	2.0	2.5-5.0-9.9	32	32	11	-	-	-		
	320	0.021	17-26-51	-		49.7	5.2	5.3-7.9-15.7	40	41	24	-	-	-		
	440	0.040	24-36-60	23		68.3	9.9	7.3-10.9-18.4	46	47	34	17	12	-		
	560	0.065	30-46-68	30		86.9	16.1	9.3-13.9-20.7	50	51	41	26	21	18		
	680	0.095	37-53-75	36		105.6	23.7	11.2-16.1-22.8	53	55	46	34	28	25		
	800	0.132	43-58-81	40		124.2	32.8	13.2-17.5-24.7	56	58	51	40	34	31		
920	0.174	50-62-87	44	142.8	43.4	15.2-18.8-26.5	58	60	55	46	39	36				
18"	220	0.008	8-17-34	-	457	34.2	1.9	2.5-5.1-10.3	32	32	-	-	-	-		
	340	0.019	17-26-52	-		52.8	4.6	5.3-7.9-15.9	40	40	23	-	-	-		
	460	0.034	24-35-62	22		71.4	8.5	7.2-10.7-18.8	45	46	32	14	-	-		
	580	0.054	30-44-69	28		90.0	13.5	9.0-13.5-21.1	49	50	39	23	18	16		
	700	0.079	36-54-76	34		108.7	19.6	10.9-16.3-23.1	52	54	44	31	25	22		
	820	0.108	42-58-82	38		127.3	26.9	12.7-17.7-25.1	55	56	49	37	31	28		
940	0.142	48-62-88	42	145.9	35.4	14.6-19.0-26.8	57	59	53	42	36	33				
20"	240	0.007	8-17-35	-	508	37.3	1.9	2.5-5.3-10.6	32	32	-	-	-	-		
	370	0.018	18-27-54	-		57.4	4.4	5.4-8.2-16.3	40	40	23	-	-	-		
	500	0.032	24-36-64	21		77.6	8.0	7.4-11.0-19.6	45	46	32	13	-	-		
	630	0.051	31-46-72	28		97.8	12.8	9.3-13.9-22.0	49	50	38	22	17	15		
	760	0.075	37-55-79	33		118.0	18.6	11.2-16.8-24.1	52	53	44	30	24	22		
	890	0.102	43-61-86	38		138.2	25.5	13.1-18.5-26.1	54	56	48	36	30	27		
1020	0.134	49-65-92	42	158.4	33.4	15.0-19.8-27.9	57	59	52	42	35	32				
24"	280	0.007	9-19-37	-	610	43.5	1.7	2.6-5.6-11.3	33	32	-	-	-	-		
	420	0.016	19-28-56	-		65.2	3.9	5.6-8.4-16.9	39	40	22	-	-	-		
	560	0.028	25-37-68	20		86.9	6.9	7.5-11.3-20.7	44	45	30	11	-	-		
	700	0.043	31-46-76	27		108.7	10.8	9.4-14.1-23.1	48	49	37	20	15	13		
	840	0.062	37-56-83	32		130.4	15.5	11.3-16.9-25.4	51	53	42	27	22	20		
	980	0.085	43-64-90	36		152.1	21.2	13.1-19.4-27.4	54	55	47	33	28	25		
1120	0.111	49-68-96	40	173.9	27.6	15.0-20.7-29.3	56	58	50	39	33	30				

**LENGTH & NC CORRECTION FACTORS**

Active Length	2	4	8	10	12
Throw Correction (Multiply)	0.72	1.0	1.5	1.7	1.8
Active Length	2	4	6	8	10
NC Throw Correction (Add)	-3.0	0.0	2.0	3.0	5.0

NOTES: When the diffuser is used as a return, increase the NC by (4) and the negative static pressure, which is (0.8) times the listed total pressure shown. See additional notes on page K1-40.

LINEAR BAR GRILLES

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**1600, 1850 Performance Data**

IP/METRIC DATA: 1600, 1850, 15° DEFLECTION, 1/8" BARS, 1/2" BAR SPACING (NO DAMPER)

Nom. Duct	IP Data				NC	Nom. Duct	Metric Data				Octave Band, dB						
	Air Flow	Press Pv	Perpendicular Throw				Air Flow	Press Pv	Perpendicular Throw								
	in.	CFM/ft	"WG	ft			mm	L/s/m	Pa	m							
2"	40	0.031	7-10-18		-	51	6.2	7.7	2.0-3.1-5.5		30	32	20	-	-	-	
	55	0.058	9-14-21		-		8.5	14.5	2.8-4.2-6.5		36	38	29	16	-	-	
	70	0.094	12-17-24		24		10.9	23.5	3.6-5.2-7.3		40	42	36	26	19	16	
	85	0.139	14-19-27		30		13.2	34.6	4.3-5.7-8.1		43	46	42	33	27	22	
	100	0.193	17-20-29		34		15.5	48.0	5.1-6.2-8.7		46	49	46	40	33	28	
	115	0.255	18-22-31		38		17.9	63.4	5.4-6.6-9.4		48	51	50	45	38	33	
	130	0.325	19-23-33		42	20.2	81.0	5.8-7.1-10.0		50	53	54	50	43	37		
2 1/2"	50	0.025	7-11-20		-	64	7.8	6.1	2.2-3.3-6.2		30	31	17	-	-	-	
	70	0.048	10-15-24		-		10.9	12.0	3.1-4.6-7.3		35	37	27	14	-	-	
	90	0.080	13-19-27		23		14.0	19.8	3.9-5.9-8.3		40	42	35	24	17	14	
	110	0.119	16-21-30		29		17.1	29.6	4.8-6.5-9.2		43	45	41	32	25	21	
	130	0.166	19-23-33		34		20.2	41.4	5.7-7.1-10.0		46	48	45	38	31	27	
	150	0.221	20-25-35		38		23.3	55.1	6.2-7.6-10.7		48	51	50	44	37	32	
	170	0.284	22-27-38		41	26.4	70.7	6.6-8.1-11.4		50	53	53	49	42	36		
3"	80	0.038	10-15-26		-	76	12.4	9.5	3.1-4.7-7.8		34	36	25	-	-	-	
	100	0.059	13-19-29		-		15.5	14.8	3.9-5.8-8.7		38	40	31	19	13	-	
	120	0.086	15-22-32		25		18.6	21.3	4.7-6.8-9.6		41	43	37	26	20	16	
	140	0.117	18-24-34		30		21.7	29.0	5.4-7.3-10.4		44	46	41	32	26	21	
	160	0.152	20-26-36		33		24.8	37.9	6.2-7.8-11.1		46	49	45	37	31	26	
	180	0.193	22-27-39		37		27.9	48.0	6.8-8.3-11.7		48	51	49	42	35	30	
	200	0.238	23-29-41		40	31.0	59.2	7.1-8.7-12.4		50	53	52	46	39	34		
3 1/2"	80	0.025	9-14-26		-	89	12.4	6.3	2.8-4.2-7.8		32	33	20	-	-	-	
	110	0.048	13-19-30		-		17.1	12.0	3.9-5.8-9.2		37	39	29	15	-	-	
	140	0.078	16-24-34		25		21.7	19.4	4.9-7.3-10.4		41	43	36	25	19	15	
	170	0.115	20-27-38		30		26.4	28.6	6.0-8.1-11.4		44	47	42	33	26	22	
	200	0.159	23-29-41		35		31.0	39.6	7.1-8.7-12.4		47	50	47	39	32	28	
	230	0.211	25-31-44		39		35.7	52.4	7.7-9.4-13.3		49	52	51	45	38	33	
	260	0.269	27-33-46		42	40.4	67.0	8.1-10.0-14.1		51	55	54	49	42	37		
4"	100	0.028	11-16-29		-	102	15.5	7.1	3.3-4.9-8.7		33	34	22	-	-	-	
	130	0.048	14-21-33		-		20.2	12.0	4.2-6.3-10.0		38	39	30	16	-	-	
	160	0.073	17-26-36		24		24.8	18.2	5.2-7.8-11.1		41	43	36	24	18	15	
	190	0.103	20-28-40		29		29.5	25.6	6.2-8.5-12.1		44	46	41	31	25	21	
	220	0.138	24-30-43		34		34.2	34.3	7.2-9.2-13.0		47	49	45	37	30	26	
	250	0.178	26-32-46		37		38.8	44.3	8.0-9.8-13.8		49	51	49	42	35	30	
	280	0.223	28-34-48		40	43.5	55.6	8.5-10.4-14.6		51	54	52	46	39	34		
5"	120	0.024	11-17-32		-	127	18.6	6.0	3.4-5.1-9.6		33	34	21	-	-	-	
	160	0.043	15-23-36		-		24.8	10.6	4.6-6.9-11.1		38	39	29	15	-	-	
	200	0.067	19-28-41		24		31.0	16.6	5.7-8.6-12.4		41	43	36	23	18	14	
	240	0.096	23-32-45		30		37.3	23.9	6.9-9.6-13.6		45	47	41	31	24	21	
	280	0.131	26-34-48		34		43.5	32.5	8.0-10.4-14.6		47	50	45	37	30	26	
	320	0.171	30-36-51		38		49.7	42.5	9.0-11.1-15.7		49	52	49	42	35	31	
	360	0.216	32-39-55		41	55.9	53.8	9.6-11.7-16.6		51	54	53	47	40	35		
6"	140	0.021	12-18-34		-	152	21.7	5.3	3.6-5.4-10.4		33	34	20	-	-	-	
	190	0.039	16-24-40		-		29.5	9.8	4.9-7.4-12.1		38	39	29	14	-	-	
	240	0.063	20-31-45		24		37.3	15.7	6.2-9.3-13.6		42	44	36	23	17	14	
	290	0.092	25-35-49		30		45.0	22.9	7.5-10.5-14.9		45	47	41	31	24	21	
	340	0.126	29-38-53		34		52.8	31.4	8.8-11.4-16.1		48	50	46	37	30	26	
	390	0.166	33-40-57		38		60.5	41.4	10.0-12.2-17.3		50	53	50	42	36	31	
	440	0.211	35-43-60		42	68.3	52.6	10.6-13.0-18.4		52	55	53	47	40	35		
8"	200	0.023	14-22-41		-	203	31.0	5.7	4.4-6.6-12.4		35	36	22	-	-	-	
	260	0.039	19-28-46		-		40.4	9.6	5.7-8.6-14.1		39	40	30	15	-	-	
	320	0.059	23-35-51		25		49.7	14.6	7.0-10.6-15.7		42	44	36	23	17	14	
	380	0.083	28-40-56		30		59.0	20.6	8.4-12.1-17.1		45	47	41	30	24	20	
	440	0.111	32-43-60		34		68.3	27.6	9.7-13.0-18.4		48	50	45	36	29	25	
	500	0.143	36-46-64		38		77.6	35.6	11.0-13.8-19.6		50	53	49	41	34	30	
	560	0.180	39-48-68		41	86.9	44.7	12.0-14.6-20.7		52	55	52	45	38	34		

NOTE: See pages K1-38 and K1-40 for correction factors and notes.

LINEAR BAR GRILLES

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**1600, 1850 Performance Data**

IP/METRIC DATA: 1600, 1850, 15° DEFLECTION, 1/8" BARS, 1/2" BAR SPACING (NO DAMPER)

Nom. Duct	IP Data				NC	Nom. Duct	Metric Data			Octave Band, dB						
	Air Flow	Press Pv	Perpendicular Throw				Air Flow	Press Pv	Perpendicular Throw							
	in. CFM/ft	"WG	ft				mm	L/s/m	Pa	m	2	3	4	5	6	7
10"	220	0.017	14-21-42		-	254	34.2	4.2	4.3-6.4-12.9		33	34	19	-	-	-
	300	0.032	19-29-50		-		46.6	7.9	5.9-8.8-15.2		38	40	28	12	-	-
	380	0.051	24-37-56		24		59.0	12.6	7.4-11.1-17.1		42	44	35	21	16	13
	460	0.074	30-44-62		29		71.4	18.5	9.0-13.3-18.8		45	47	40	29	23	19
	540	0.103	35-47-67		34		83.8	25.5	10.5-14.4-20.3		48	50	45	35	29	25
	620	0.135	40-51-72		38		96.3	33.7	12.1-15.4-21.8		50	53	49	41	34	30
	700	0.172	44-54-76		41		108.7	42.9	13.4-16.4-23.1		53	55	53	45	39	34
12"	250	0.015	15-22-44		-	305	38.8	3.7	4.4-6.7-13.3		33	33	18	-	-	-
	340	0.027	20-30-53		-		52.8	6.8	6.0-9.0-16.1		38	39	27	-	-	-
	430	0.044	25-38-60		23		66.8	10.9	7.6-11.4-18.1		42	43	33	19	14	11
	520	0.064	30-46-66		28		80.7	16.0	9.2-13.8-20.0		45	47	39	27	21	18
	610	0.088	36-50-71		33		94.7	22.0	10.8-15.3-21.6		48	50	44	33	27	23
	700	0.117	41-54-76		37		108.7	29.0	12.4-16.4-23.1		50	52	48	38	32	28
	790	0.148	46-57-81		40		122.6	37.0	14.0-17.4-24.6		52	55	51	43	37	32
14"	300	0.015	16-24-48		-	356	46.6	3.8	4.9-7.4-14.7		34	34	19	-	-	-
	400	0.027	22-32-58		-		62.1	6.8	6.5-9.8-17.5		38	40	27	-	-	-
	500	0.043	27-40-64		23		77.6	10.7	8.2-12.3-19.6		42	44	34	19	14	11
	600	0.062	32-48-70		28		93.1	15.4	9.8-14.7-21.4		45	47	39	26	21	18
	700	0.084	38-54-76		33		108.7	20.9	11.4-16.4-23.1		48	50	43	33	26	23
	800	0.110	43-58-81		37		124.2	27.3	13.1-17.5-24.7		50	52	47	38	32	28
	900	0.139	48-61-86		40		139.7	34.6	14.7-18.6-26.2		52	55	51	43	36	32
16"	350	0.016	18-26-53		-	406	54.3	3.9	5.3-8.0-16.0		34	35	20	-	-	-
	475	0.029	24-36-63		-		73.7	7.3	7.2-10.9-19.1		40	41	29	12	-	-
	600	0.047	30-45-70		25		93.1	11.6	9.2-13.7-21.4		43	45	35	21	16	13
	725	0.068	36-55-77		30		112.6	16.9	11.1-16.6-23.6		47	49	41	29	23	20
	850	0.093	43-59-84		35		132.0	23.3	13.0-18.0-25.5		49	52	46	35	29	25
	975	0.123	49-64-90		39		151.4	30.6	14.9-19.3-27.3		52	54	50	41	34	30
	1100	0.157	55-67-95		42		170.8	39.0	16.8-20.5-29.0		54	56	53	45	39	34
18"	400	0.016	19-28-57		-	457	62.1	4.0	5.7-8.6-17.2		35	36	21	-	-	-
	525	0.028	25-37-66		-		81.5	6.9	7.5-11.3-20.0		40	41	28	12	-	-
	650	0.043	31-46-73		24		100.9	10.6	9.3-14.0-22.3		43	45	35	20	15	12
	775	0.061	37-55-80		29		120.3	15.1	11.1-16.7-24.4		46	48	40	27	21	19
	900	0.082	42-61-86		34		139.7	20.4	12.9-18.6-26.2		49	51	44	33	27	24
	1025	0.106	48-65-92		37		159.1	26.5	14.7-19.8-28.0		51	53	48	38	32	28
	1150	0.134	54-69-98		41		178.5	33.3	16.5-21.0-29.7		53	55	51	43	36	32
20"	500	0.020	22-34-64		-	508	77.6	5.1	6.8-10.2-19.6		37	38	24	-	-	-
	640	0.033	29-43-73		21		99.4	8.3	8.7-13.0-22.1		42	43	31	16	-	-
	780	0.049	35-52-80		27		121.1	12.3	10.6-15.9-24.4		45	47	37	24	18	15
	920	0.069	41-62-87		32		142.8	17.1	12.5-18.8-26.5		48	50	42	30	24	21
	1060	0.091	47-66-94		36		164.6	22.7	14.4-20.1-28.5		50	52	46	36	30	26
	1200	0.117	54-70-100		39		186.3	29.1	16.3-21.4-30.3		52	55	50	41	34	30
	1340	0.146	60-74-105		42		208.0	36.3	18.2-22.6-32.0		54	57	53	45	38	34
24"	600	0.020	24-37-70		-	610	93.1	5.0	7.4-11.1-21.4		38	39	25	-	-	-
	750	0.031	31-46-79		21		116.4	7.8	9.3-13.9-24.0		42	43	31	15	-	-
	900	0.045	37-55-86		26		139.7	11.2	11.1-16.7-26.2		45	46	37	23	17	15
	1050	0.061	43-64-93		31		163.0	15.3	13.0-19.5-28.3		47	49	41	29	23	20
	1200	0.080	49-70-100		35		186.3	20.0	14.8-21.4-30.3		50	52	45	34	28	25
	1350	0.101	55-75-106		38		209.6	25.3	16.7-22.7-32.1		52	54	49	39	32	29
	1500	0.125	61-79-111		41		232.9	31.2	18.6-24.0-33.9		53	56	52	43	36	32

NOTES: Throw values are given for isothermal conditions and terminal velocities of 150, 100, and 50 FPM (0.75, 0.50, and 0.25 m/s). NC values are based on octave band 2 - 7 sound power levels minus a room absorption of 10dB, re 10<sup>-12</sup> Watts. Dash in space denotes a NC or dB value of less than 10. Nominal duct is duct width. Data was obtained from tests conducted in accordance with ANSI/ASHRAE Standard 70, ISO Standard 5219, and ISO Standard 3741. 1850 Maximum width is 12" (305). See Krueger's selection program for performance data not shown, including octave band data.

LINEAR BAR GRILLES

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