

1500, 1800 Performance Data

IP/METRIC DATA: 1500, 1800, 0° DEFLECTION, 7/32" BARS, 1/2" BAR SPACING (NO DAMPER)

	IP Data					Metric Data									
Nom. Duct	Air Flow	Press Pv	Perpendicular Throw	NC	Nom. Duct	Air Flow	Press Pv	Perpendicular Throw	Octave Band, dB						
in	CFM/ft	"WG	ft		mm	L/s/m	Pa	m	2	3	4	5	6	7	
2"	40	0.042	7-10-18	-	51	6.2	10.4	2.1-3.1-5.5	32	33	21	-	-	-	
	55	0.079	9-14-21	-		8.5	19.6	2.9-4.3-6.5	37	39	31	18	12	-	
	70	0.128	12-17-24	26		10.9	31.8	3.7-5.2-7.3	42	44	38	28	21	17	
	85	0.188	15-19-27	31		13.2	46.8	4.4-5.7-8.1	45	47	43	35	29	24	
	100	0.260	17-20-29	36		15.5	64.8	5.1-6.2-8.7	48	50	48	42	35	30	
	115	0.344	18-22-31	40		17.9	85.7	5.4-6.6-9.4	50	53	52	47	40	35	
	130	0.440	19-23-33	43		20.2	109.6	5.8-7.1-10.0	52	55	56	52	45	39	
2 1/2"	50	0.033	7-11-20	-	64	7.8	8.3	2.2-3.3-6.2	32	33	19	-	-	-	
	70	0.065	10-15-24	-		10.9	16.2	3.1-4.6-7.3	37	39	29	16	-	-	
	90	0.108	13-19-27	25		14.0	26.8	3.9-5.9-8.3	41	44	37	26	19	16	
	110	0.161	16-21-30	31		17.1	40.0	4.8-6.5-9.2	45	47	42	33	27	23	
	130	0.224	19-23-33	35		20.2	55.9	5.7-7.1-10.0	48	50	47	40	33	29	
	150	0.299	20-25-35	40		23.3	74.4	6.2-7.6-10.7	50	53	52	46	39	34	
	170	0.384	22-27-38	43		26.4	95.6	6.6-8.1-11.4	52	55	55	51	43	38	
3"	70	0.039	9-13-24	-	76	10.9	9.8	2.7-4.0-7.3	34	35	23	-	-	-	
	95	0.073	12-18-28	21		14.7	18.1	3.7-5.5-8.5	39	41	32	19	13	-	
	120	0.116	15-22-32	27		18.6	28.8	4.6-6.8-9.6	43	45	39	28	22	18	
	145	0.169	18-25-35	33		22.5	42.1	5.6-7.4-10.5	46	49	44	36	29	25	
	170	0.232	22-27-38	37		26.4	57.8	6.6-8.1-11.4	49	52	49	42	35	30	
	195	0.306	23-28-40	41		30.3	76.1	7.1-8.6-12.2	51	54	53	47	40	35	
	220	0.389	25-30-43	44		34.2	96.8	7.5-9.2-13.0	53	57	56	52	45	39	
3 1/2"	80	0.034	9-14-26	-	89	12.4	8.6	2.8-4.2-7.8	34	35	22	-	-	-	
	110	0.065	13-19-30	-		17.1	16.2	3.8-5.7-9.2	39	41	31	17	12	-	
	140	0.105	16-24-34	27		21.7	26.3	4.9-7.3-10.4	43	45	38	27	21	17	
	170	0.155	19-27-38	32		26.4	38.7	5.9-8.1-11.4	46	49	44	35	28	24	
	200	0.215	23-29-41	37		31.0	53.6	7.0-8.7-12.4	49	52	49	41	34	30	
	230	0.285	25-31-44	41		35.7	70.9	7.7-9.4-13.3	52	54	53	47	40	35	
	260	0.364	27-33-46	44		40.4	90.5	8.1-10.0-14.1	54	57	56	52	44	39	
4"	90	0.031	9-14-27	-	102	14.0	7.8	2.9-4.3-8.3	34	35	21	-	-	-	
	120	0.055	13-19-32	-		18.6	13.8	3.8-5.8-9.6	38	40	30	15	-	-	
	150	0.087	16-24-35	25		23.3	21.6	4.8-7.2-10.7	42	44	36	24	18	15	
	180	0.125	19-27-39	30		27.9	31.1	5.8-8.3-11.7	45	48	41	31	25	21	
	210	0.170	22-29-42	34		32.6	42.3	6.7-9.0-12.7	48	50	46	37	31	26	
	240	0.222	25-32-45	38		37.3	55.2	7.7-9.6-13.6	50	53	50	42	36	31	
	270	0.281	27-33-47	42		41.9	69.9	8.3-10.2-14.4	52	55	53	47	40	35	
5"	100	0.023	9-14-28	-	127	15.5	5.6	2.8-4.2-8.4	32	33	17	-	-	-	
	140	0.044	13-19-34	-		21.7	11.0	3.9-5.9-10.4	38	39	27	12	-	-	
	180	0.073	17-25-39	24		27.9	18.2	5.0-7.5-11.7	42	44	35	22	16	13	
	220	0.109	20-30-43	29		34.2	27.1	6.1-9.2-13.0	45	47	41	29	23	20	
	260	0.152	24-33-46	34		40.4	37.9	7.3-10.0-14.1	48	50	45	36	30	26	
	300	0.203	28-35-50	38		46.6	50.5	8.4-10.7-15.2	50	53	50	42	35	31	
	340	0.260	31-38-53	42		52.8	64.8	9.3-11.4-16.1	53	55	53	47	40	35	
6"	120	0.021	10-15-30	-	152	18.6	5.3	3.0-4.5-9.0	32	33	18	-	-	-	
	170	0.043	14-21-38	-		26.4	10.6	4.3-6.4-11.4	38	40	28	12	-	-	
	220	0.071	18-27-43	24		34.2	17.8	5.5-8.3-13.0	43	44	35	22	16	13	
	270	0.108	22-33-47	30		41.9	26.8	6.8-10.2-14.4	46	48	41	30	24	21	
	320	0.151	26-36-51	35		49.7	37.6	8.0-11.1-15.7	49	51	46	37	30	26	
	370	0.202	31-39-55	39		57.4	50.3	9.3-11.9-16.8	51	54	50	43	36	31	
	420	0.260	34-42-59	43		65.2	64.8	10.4-12.7-17.9	53	56	54	48	41	36	
8"	150	0.017	10-16-32	-	203	23.3	4.3	3.0-4.8-9.6	32	32	16	-	-	-	
	210	0.034	15-22-42	-		32.6	8.5	4.5-6.7-12.7	38	39	26	-	-	-	
	270	0.056	19-28-47	22		41.9	14.0	5.8-8.6-14.4	42	43	33	19	13	11	
	330	0.084	23-35-52	28		51.2	21.0	7.0-10.6-15.9	45	47	39	27	21	18	
	390	0.118	27-40-57	33		60.5	29.3	8.3-12.2-17.3	48	50	44	33	27	23	
	450	0.157	32-43-61	37		69.9	39.0	9.6-13.1-18.6	50	53	48	39	32	28	
	510	0.201	36-46-65	40		79.2	50.1	10.9-14.0-19.8	53	55	52	44	37	33	

NOTE: See pages K1-14 and K1-20 for correction factors and notes.

1500, 1800 Performance Data

IP/METRIC DATA: 1500, 1800, 0° DEFLECTION, 7/32" BARS, 1/2" BAR SPACING (NO DAMPER)

	IP Data					Metric Data									
Nom. Duct	Air Flow	Press	Perpendicular	NC	Nom. Duct	Air Flow	Press	Perpendicular	Octave Band, dB						
in	CFM/ft	Pv	Throw		mm	L/s/m	Pa	Throw	2	3	4	5	6	7	
10"	175	0.015	9-16-33	-	254	27.2	3.6	2.8-5.0-9.9	31	32	14	-	-	-	
	250	0.030	16-23-46	-		38.8	7.4	4.7-7.1-13.8	37	38	25	-	-	-	
	325	0.050	20-30-52	22		50.5	12.5	6.1-9.2-15.8	42	43	32	17	12	-	
	400	0.076	25-37-58	28		62.1	18.9	7.5-11.3-17.5	45	47	38	26	20	17	
	475	0.107	29-44-63	33		73.7	26.7	9.0-13.4-19.1	48	50	43	32	26	23	
	550	0.144	34-48-67	37		85.4	35.8	10.4-14.5-20.5	51	53	48	38	32	28	
	625	0.186	39-51-72	40		97.0	46.2	11.8-15.5-21.9	53	55	52	43	37	32	
12"	200	0.013	9-17-34	-	305	31.0	3.2	2.7-5.1-10.3	31	31	13	-	-	-	
	290	0.027	16-24-49	-		45.0	6.7	5.0-7.4-14.9	37	38	24	-	-	-	
	380	0.046	21-32-56	22		59.0	11.6	6.5-9.7-17.1	42	43	32	17	11	-	
	470	0.071	26-40-62	28		73.0	17.7	8.0-12.1-19.0	46	47	38	25	19	17	
	560	0.101	31-47-68	33		86.9	25.1	9.6-14.4-20.7	49	51	43	32	26	23	
	650	0.136	37-52-73	37		100.9	33.8	11.1-15.8-22.3	51	53	48	38	32	28	
	740	0.176	42-55-78	41		114.9	43.8	12.7-16.8-23.8	53	56	52	43	36	32	
14"	240	0.013	10-19-37	-	356	37.3	3.3	3.1-5.7-11.3	32	32	15	-	-	-	
	340	0.027	18-26-53	-		52.8	6.7	5.4-8.0-16.1	38	39	25	-	-	-	
	440	0.045	23-34-60	22		68.3	11.2	6.9-10.4-18.4	42	44	32	17	11	-	
	540	0.068	28-42-67	28		83.8	16.8	8.5-12.8-20.3	46	47	38	25	19	16	
	640	0.095	33-50-73	33		99.4	23.6	10.1-15.1-22.1	49	51	43	31	25	22	
	740	0.127	38-55-78	37		114.9	31.6	11.7-16.8-23.8	51	53	47	37	31	27	
	840	0.163	44-59-83	40		130.4	40.7	13.2-17.9-25.4	53	56	51	42	36	32	
16"	250	0.011	9-18-36	-	406	38.8	2.7	2.7-5.5-11.0	31	31	12	-	-	-	
	375	0.025	18-27-54	-		58.2	6.1	5.5-8.3-16.5	38	39	24	-	-	-	
	500	0.044	24-36-64	22		77.6	10.9	7.3-11.0-19.6	43	44	32	17	11	-	
	625	0.068	30-45-72	28		97.0	17.0	9.2-13.8-21.9	46	48	39	25	20	17	
	750	0.098	36-54-79	34		116.4	24.5	11.0-16.5-24.0	50	52	44	33	27	23	
	875	0.134	42-60-85	38		135.8	33.3	12.8-18.3-25.9	52	54	49	39	32	29	
	1000	0.175	48-64-91	42		155.2	43.6	14.7-19.6-27.7	54	57	53	44	38	33	
18"	300	0.012	11-20-41	-	457	46.6	3.1	3.2-6.2-12.4	33	33	14	-	-	-	
	450	0.028	20-31-61	-		69.9	6.9	6.2-9.3-18.6	39	40	26	-	-	-	
	600	0.049	27-41-70	24		93.1	12.3	8.3-12.4-21.4	44	46	35	19	14	12	
	750	0.077	34-51-79	31		116.4	19.1	10.3-15.5-24.0	48	50	41	28	23	20	
	900	0.111	41-61-86	36		139.7	27.6	12.4-18.6-26.2	51	53	47	35	29	26	
	1050	0.151	48-66-93	40		163.0	37.5	14.5-20.0-28.3	54	56	51	42	35	31	
	1200	0.197	54-70-100	44		186.3	49.0	16.6-21.4-30.3	56	58	55	47	40	36	
20"	400	0.018	16-26-52	-	508	62.1	4.4	4.9-7.8-15.7	36	36	20	-	-	-	
	525	0.030	23-34-66	-		81.5	7.5	6.9-10.3-20.0	41	42	28	-	-	-	
	650	0.046	28-42-73	24		100.9	11.5	8.5-12.7-22.3	44	45	34	19	13	11	
	775	0.066	33-50-80	29		120.3	16.4	10.1-15.2-24.4	47	49	39	26	20	17	
	900	0.089	39-58-86	33		139.7	22.1	11.8-17.6-26.2	50	52	44	32	26	23	
	1025	0.115	44-65-92	37		159.1	28.7	13.4-19.8-28.0	52	54	48	37	31	27	
	1150	0.145	49-69-98	40		178.5	36.2	15.0-21.0-29.7	54	56	51	41	35	31	
24"	500	0.019	19-29-59	-	610	77.6	4.7	5.8-8.9-17.8	37	38	22	-	-	-	
	650	0.032	25-38-73	-		100.9	7.9	7.7-11.6-22.3	42	43	30	12	-	-	
	800	0.048	31-47-81	25		124.2	12.0	9.5-14.3-24.7	45	47	36	20	15	13	
	950	0.068	37-56-89	30		147.5	16.9	11.3-16.9-27.0	48	50	41	27	21	19	
	1100	0.091	43-64-95	35		170.8	22.7	13.1-19.6-29.0	51	52	45	33	27	24	
	1250	0.118	49-72-102	38		194.1	29.3	14.9-21.9-30.9	53	55	49	38	32	28	
	1400	0.147	55-76-108	41		217.3	36.7	16.6-23.1-32.7	55	57	52	42	36	32	

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 K1-20.

1500, 1800 Performance Data

IP/METRIC DATA: 1500, 1800, 0° DEFLECTION, 7/32" BARS, 7/16" BAR SPACING (NO DAMPER)

	IP Data					Metric Data									
Nom. Duct	Air Flow	Press Pv	Perpendicular Throw	NC	Nom. Duct	Air Flow	Press Pv	Perpendicular Throw	Octave Band, dB						
in.	CFM/ft	"WG	ft		mm	L/s/m	Pa	m	2	3	4	5	6	7	
2"	40	0.053	7-11-18	-	51	6.2	13.3	2.1-3.2-5.5	29	30	18	-	-	-	
	55	0.101	10-15-21	-		8.5	25.2	2.9-4.4-6.5	34	36	27	15	-	-	
	70	0.164	12-17-24	23		10.9	40.8	3.7-5.2-7.3	38	41	34	24	18	14	
	85	0.241	15-19-27	28		13.2	60.1	4.5-5.7-8.1	42	44	40	32	25	21	
	100	0.334	17-20-29	33		15.5	83.2	5.1-6.2-8.7	44	47	45	38	32	27	
	115	0.442	18-22-31	37		17.9	110.1	5.4-6.6-9.4	47	50	49	44	37	31	
	130	0.565	19-23-33	40		20.2	140.7	5.8-7.1-10.0	49	52	53	49	41	36	
2 1/2"	50	0.043	7-11-20	-	64	7.8	10.6	2.2-3.4-6.2	28	30	16	-	-	-	
	70	0.084	10-15-24	-		10.9	20.8	3.1-4.7-7.3	34	36	26	12	-	-	
	90	0.138	13-19-27	22		14.0	34.4	4.0-5.9-8.3	38	40	33	22	16	13	
	110	0.206	16-21-30	28		17.1	51.4	4.9-6.5-9.2	42	44	39	30	24	20	
	130	0.288	19-23-33	32		20.2	71.8	5.8-7.1-10.0	45	47	44	37	30	25	
	150	0.384	20-25-35	36		23.3	95.5	6.2-7.6-10.7	47	50	48	43	36	30	
	170	0.493	22-27-38	40		26.4	122.7	6.6-8.1-11.4	49	52	52	48	40	35	
3"	60	0.037	8-12-22	-	76	9.3	9.2	2.4-3.5-6.8	28	29	15	-	-	-	
	85	0.075	11-16-27	-		13.2	18.6	3.3-5.0-8.1	34	36	26	11	-	-	
	110	0.125	14-21-30	22		17.1	31.1	4.3-6.5-9.2	39	41	33	21	15	12	
	135	0.188	17-24-33	27		21.0	46.8	5.3-7.2-10.2	42	44	39	30	23	19	
	160	0.264	21-26-36	32		24.8	65.8	6.3-7.8-11.1	45	48	44	36	30	25	
	185	0.353	23-28-39	36		28.7	87.9	6.9-8.4-11.9	47	50	48	42	35	30	
	210	0.455	24-29-42	40		32.6	113.3	7.3-9.0-12.7	49	53	52	47	40	34	
3 1/2"	80	0.044	9-14-26	-	89	12.4	11.0	2.8-4.2-7.8	31	32	19	-	-	-	
	110	0.084	13-19-30	-		17.1	20.8	3.9-5.8-9.2	36	38	28	14	-	-	
	140	0.135	16-24-34	24		21.7	33.7	4.9-7.3-10.4	40	42	35	24	18	14	
	170	0.200	20-27-38	29		26.4	49.7	6.0-8.1-11.4	43	46	41	32	25	21	
	200	0.276	23-29-41	34		31.0	68.8	7.1-8.7-12.4	46	49	46	38	31	27	
	230	0.365	25-31-44	38		35.7	91.0	7.7-9.4-13.3	48	51	50	44	37	32	
	260	0.467	27-33-46	41		40.4	116.2	8.1-10.0-14.1	50	54	53	48	41	36	
4"	90	0.040	10-14-27	-	102	14.0	10.0	2.9-4.4-8.3	31	32	18	-	-	-	
	125	0.077	13-20-32	-		19.4	19.2	4.0-6.1-9.8	36	38	28	14	-	-	
	160	0.127	17-26-36	23		24.8	31.5	5.2-7.8-11.1	40	42	35	23	17	14	
	195	0.188	21-28-40	29		30.3	46.8	6.3-8.6-12.2	44	46	41	31	25	21	
	230	0.262	25-31-44	34		35.7	65.1	7.4-9.4-13.3	46	49	45	38	31	26	
	265	0.347	27-33-47	38		41.1	86.5	8.2-10.1-14.2	49	52	50	43	36	31	
	300	0.445	29-35-50	41		46.6	110.8	8.7-10.7-15.2	51	54	53	48	41	36	
5"	100	0.029	9-14-28	-	127	15.5	7.2	2.8-4.2-8.5	29	30	14	-	-	-	
	145	0.061	13-20-35	-		22.5	15.1	4.1-6.1-10.5	35	37	25	-	-	-	
	190	0.104	18-26-40	22		29.5	26.0	5.4-8.0-12.1	40	42	33	21	15	12	
	235	0.160	22-31-44	28		36.5	39.8	6.6-9.5-13.4	43	45	39	29	23	19	
	280	0.227	26-34-48	33		43.5	56.4	7.9-10.4-14.6	46	49	44	36	29	25	
	325	0.305	30-37-52	37		50.5	76.0	9.1-11.2-15.8	49	51	49	42	35	30	
	370	0.396	32-39-55	41		57.4	98.6	9.7-11.9-16.8	51	54	53	47	40	35	
6"	110	0.023	9-14-28	-	152	17.1	5.7	2.7-4.2-8.4	28	28	12	-	-	-	
	165	0.052	14-21-37	-		25.6	12.8	4.2-6.3-11.2	35	36	24	-	-	-	
	220	0.092	18-28-43	21		34.2	22.8	5.6-8.4-13.0	39	41	32	19	13	-	
	275	0.143	23-34-48	28		42.7	35.7	7.0-10.3-14.5	43	45	39	28	22	18	
	330	0.206	28-37-52	33		51.2	51.4	8.4-11.2-15.9	46	49	44	35	28	24	
	385	0.281	32-40-56	37		59.8	69.9	9.8-12.1-17.2	49	52	48	41	34	30	
	440	0.367	35-43-60	41		68.3	91.3	10.6-13.0-18.4	51	54	52	46	39	34	
8"	160	0.025	11-17-34	-	203	24.8	6.3	3.4-5.2-10.3	30	31	15	-	-	-	
	230	0.053	16-24-44	-		35.7	13.1	4.9-7.4-13.3	36	37	25	-	-	-	
	300	0.089	21-32-50	22		46.6	22.3	6.5-9.7-15.2	41	42	33	20	14	11	
	370	0.136	26-39-55	28		57.4	33.9	8.0-11.9-16.8	44	46	39	28	22	19	
	440	0.192	31-43-60	33		68.3	47.9	9.5-13.0-18.4	47	49	44	35	28	25	
	510	0.258	36-46-65	37		79.2	64.3	11.0-14.0-19.8	49	52	49	41	34	30	
	580	0.334	40-49-69	41		90.0	83.2	12.2-14.9-21.1	52	54	52	46	39	34	

NOTE: See pages K1-16 and K1-20 for correction factors and notes.

1500, 1800 Performance Data

IP/METRIC DATA: 1500, 1800, 0° DEFLECTION, 7/32" BARS, 7/16" BAR SPACING (NO DAMPER)

	IP Data					Metric Data									
Nom. Duct	Air Flow	Press	Perpendicular	NC	Nom. Duct	Air Flow	Press	Perpendicular	Octave Band, dB						
in.	CFM/ft	Pv "WG	Throw ft		mm	L/s/m	Pa	Throw m	2	3	4	5	6	7	
10"	180	0.020	10-17-34	-	254	27.9	4.9	3.1-5.1-10.3	29	29	12	-	-	-	
	270	0.044	17-25-47	-		41.9	11.1	5.1-7.7-14.4	36	37	24	-	-	-	
	360	0.079	23-34-55	22		55.9	19.7	6.8-10.3-16.6	41	42	32	18	13	-	
	450	0.124	28-42-61	28		69.9	30.8	8.6-12.8-18.6	44	46	39	27	21	18	
	540	0.178	34-47-67	33		83.8	44.3	10.3-14.4-20.3	47	50	44	34	28	24	
	630	0.242	39-51-72	38		97.8	60.3	12.0-15.5-22.0	50	52	49	40	34	30	
	720	0.316	45-55-77	41		111.8	78.8	13.6-16.6-23.5	52	55	53	46	39	34	
12"	220	0.020	11-19-37	-	305	34.2	5.0	3.4-5.7-11.4	30	30	13	-	-	-	
	320	0.042	18-27-51	-		49.7	10.5	5.5-8.3-15.7	36	37	24	-	-	-	
	420	0.073	24-36-59	21		65.2	18.1	7.2-10.9-17.9	41	42	32	17	12	-	
	520	0.112	29-44-66	27		80.7	27.8	9.0-13.4-20.0	44	46	38	26	20	17	
	620	0.159	35-51-72	32		96.3	39.5	10.7-15.4-21.8	47	49	43	33	27	23	
	720	0.214	41-55-77	37		111.8	53.3	12.4-16.6-23.5	50	52	48	39	32	28	
	820	0.277	46-58-82	40		127.3	69.1	14.1-17.7-25.1	52	55	51	44	37	33	
14"	225	0.015	9-18-35	-	356	34.9	3.7	2.8-5.4-10.7	28	28	-	-	-	-	
	350	0.036	18-27-54	-		54.3	9.1	5.6-8.3-16.4	35	36	23	-	-	-	
	475	0.067	25-37-63	21		73.7	16.7	7.5-11.3-19.1	41	42	31	16	11	-	
	600	0.107	31-47-70	28		93.1	26.7	9.5-14.3-21.4	45	46	38	26	20	17	
	725	0.156	38-55-77	33		112.6	38.9	11.5-16.7-23.6	48	50	44	33	27	24	
	850	0.215	44-59-84	38		132.0	53.5	13.5-18.0-25.5	50	53	48	40	33	29	
	975	0.283	51-64-90	41		151.4	70.4	15.5-19.3-27.3	53	55	52	45	38	34	
16"	250	0.014	9-18-36	-	406	38.8	3.5	2.8-5.5-11.1	28	28	-	-	-	-	
	390	0.034	19-28-57	-		60.5	8.5	5.8-8.6-17.3	35	36	22	-	-	-	
	530	0.063	26-39-66	21		82.3	15.7	7.8-11.7-20.1	41	42	31	16	-	-	
	670	0.101	33-49-74	27		104.0	25.1	9.9-14.9-22.6	45	46	38	25	19	16	
	810	0.147	39-58-82	33		125.7	36.7	12.0-17.6-24.9	48	50	43	33	27	23	
	950	0.203	46-63-89	37		147.5	50.5	14.0-19.1-27.0	50	53	48	39	33	29	
	1090	0.267	53-67-95	41		169.2	66.4	16.1-20.4-28.9	53	55	52	44	38	33	
18"	300	0.016	11-21-41	-	457	46.6	3.9	3.3-6.3-12.5	30	30	11	-	-	-	
	440	0.034	20-30-60	-		68.3	8.5	6.1-9.2-18.3	36	37	23	-	-	-	
	580	0.059	27-40-69	20		90.0	14.7	8.1-12.1-21.1	41	42	31	15	-	-	
	720	0.091	33-49-77	27		111.8	22.7	10.0-15.0-23.5	44	46	37	24	18	15	
	860	0.130	39-59-84	32		133.5	32.3	11.9-17.9-25.7	47	49	42	31	25	21	
	1000	0.176	46-64-91	36		155.2	43.7	13.9-19.6-27.7	50	52	47	37	30	27	
	1140	0.228	52-69-97	40		177.0	56.8	15.8-20.9-29.5	52	54	50	42	35	31	
20"	325	0.015	11-21-42	-	508	50.5	3.7	3.3-6.4-12.8	29	30	11	-	-	-	
	500	0.035	22-32-64	-		77.6	8.8	6.6-9.9-19.6	37	38	24	-	-	-	
	675	0.064	29-44-75	22		104.8	16.0	8.9-13.3-22.7	42	43	32	17	12	-	
	850	0.102	37-55-84	29		132.0	25.4	11.2-16.8-25.5	46	47	39	26	20	18	
	1025	0.148	44-65-92	34		159.1	36.9	13.5-19.8-28.0	49	51	45	34	28	24	
	1200	0.203	52-70-100	38		186.3	50.5	15.8-21.4-30.3	51	54	49	40	34	30	
	1375	0.266	59-75-107	42		213.5	66.3	18.1-22.9-32.4	54	56	53	45	39	34	
24"	350	0.012	9-21-41	-	610	54.3	2.9	2.9-6.3-12.6	28	28	-	-	-	-	
	550	0.029	22-32-65	-		85.4	7.3	6.6-9.9-19.7	36	37	22	-	-	-	
	750	0.054	29-44-79	21		116.4	13.5	9.0-13.5-24.0	41	42	31	15	-	-	
	950	0.087	37-56-89	27		147.5	21.7	11.4-17.0-27.0	45	47	38	24	18	16	
	1150	0.128	45-68-98	33		178.5	31.8	13.8-20.6-29.7	48	50	43	32	26	22	
	1350	0.176	53-75-106	37		209.6	43.8	16.1-22.7-32.1	51	53	48	38	32	28	
	1550	0.232	61-80-113	41		240.6	57.8	18.5-24.4-34.4	53	56	52	43	37	33	

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 K1-20.

1500, 1800 Performance Data

IP/METRIC DATA: 1500, 1800, 15° DEFLECTION, 7/32" BARS, 1/2" BAR SPACING (NO DAMPER)

	IP Data					Metric Data									
Nom. Duct	Air Flow	Press Pv	Perpendicular Throw	NC	Nom. Duct	Air Flow	Press Pv	Perpendicular Throw	Octave Band, dB						
in	CFM/ft	"WG	ft		mm	L/s/m	Pa	m	2	3	4	5	6	7	
2"	40	0.050	7-11-18	-	51	6.2	12.5	2.2-3.3-5.5	38	39	27	11	-	-	
	50	0.078	9-14-20	22		7.8	19.5	2.7-4.1-6.2	41	43	33	20	14	11	
	60	0.113	11-16-22	27		9.3	28.1	3.3-4.8-6.8	45	47	39	27	21	18	
	70	0.153	13-17-24	31		10.9	38.2	3.8-5.2-7.3	47	49	43	33	27	23	
	80	0.200	14-18-26	35		12.4	49.9	4.4-5.5-7.8	49	52	47	38	32	28	
	90	0.254	16-19-27	39		14.0	63.1	4.8-5.9-8.3	51	54	51	43	36	32	
	100	0.313	17-20-29	42		15.5	77.9	5.1-6.2-8.7	53	56	54	47	40	35	
2 1/2"	50	0.040	8-11-20	-	64	7.8	9.9	2.3-3.5-6.2	37	38	25	-	-	-	
	65	0.067	10-15-23	21		10.1	16.8	3.0-4.5-7.1	42	43	33	18	13	-	
	80	0.102	12-18-26	27		12.4	25.4	3.7-5.5-7.8	45	47	39	27	21	17	
	95	0.144	14-20-28	32		14.7	35.9	4.4-6.0-8.5	48	50	44	33	27	23	
	110	0.193	17-21-30	36		17.1	48.1	5.1-6.5-9.2	50	53	48	39	33	28	
	125	0.250	19-23-32	40		19.4	62.1	5.6-6.9-9.8	53	55	52	44	37	33	
	140	0.313	20-24-34	43		21.7	77.9	6.0-7.3-10.4	55	57	55	49	42	37	
3"	70	0.047	9-14-24	-	76	10.9	11.8	2.8-4.2-7.3	40	41	29	12	-	-	
	85	0.070	11-17-27	23		13.2	17.4	3.4-5.2-8.1	43	45	34	20	14	12	
	100	0.097	13-20-29	28		15.5	24.1	4.0-6.1-8.7	46	48	39	26	21	17	
	115	0.128	15-22-31	32		17.9	31.8	4.7-6.6-9.4	48	50	43	32	26	22	
	130	0.163	17-23-33	35		20.2	40.7	5.3-7.1-10.0	50	52	47	37	30	27	
	145	0.203	19-25-35	38		22.5	50.6	5.9-7.4-10.5	52	54	50	41	35	30	
	160	0.247	21-26-36	41		24.8	61.6	6.4-7.8-11.1	54	56	53	45	38	34	
3 1/2"	80	0.041	10-14-26	-	89	12.4	10.3	2.9-4.4-7.8	39	41	27	-	-	-	
	100	0.065	12-18-29	23		15.5	16.1	3.7-5.5-8.7	43	45	34	19	14	11	
	120	0.093	14-22-32	28		18.6	23.2	4.4-6.6-9.6	46	48	39	27	21	18	
	140	0.127	17-24-34	32		21.7	31.6	5.1-7.3-10.4	49	51	44	33	27	23	
	160	0.166	19-26-36	36		24.8	41.2	5.8-7.8-11.1	51	53	48	38	32	28	
	180	0.210	22-27-39	40		27.9	52.2	6.6-8.3-11.7	53	56	51	43	36	32	
	200	0.259	23-29-41	43		31.0	64.4	7.1-8.7-12.4	55	58	54	47	40	35	
4"	90	0.038	10-15-27	-	102	14.0	9.3	3.0-4.5-8.3	39	40	27	-	-	-	
	110	0.056	12-18-30	21		17.1	14.0	3.7-5.5-9.2	43	44	33	17	12	-	
	130	0.078	14-22-33	26		20.2	19.5	4.4-6.5-10.0	45	47	37	24	18	15	
	150	0.104	17-25-35	30		23.3	25.9	5.0-7.5-10.7	48	50	42	29	24	20	
	170	0.134	19-27-38	34		26.4	33.3	5.7-8.1-11.4	50	52	45	34	28	25	
	190	0.167	21-28-40	37		29.5	41.6	6.4-8.5-12.1	52	54	49	39	32	29	
	210	0.204	23-29-42	40		32.6	50.8	7.0-9.0-12.7	53	56	51	43	36	32	
5"	100	0.027	10-14-29	-	127	15.5	6.7	2.9-4.4-8.7	38	38	23	-	-	-	
	130	0.046	13-19-33	-		20.2	11.4	3.8-5.7-10.0	42	43	31	14	-	-	
	160	0.069	15-23-36	26		24.8	17.3	4.7-7.0-11.1	46	47	37	22	17	14	
	190	0.098	18-27-40	31		29.5	24.3	5.6-8.3-12.1	48	50	42	29	23	20	
	220	0.131	21-30-43	35		34.2	32.6	6.4-9.2-13.0	51	53	46	35	29	25	
	250	0.169	24-32-46	39		38.8	42.1	7.3-9.8-13.8	53	55	50	40	34	30	
	280	0.212	27-34-48	42		43.5	52.9	8.2-10.4-14.6	55	57	53	45	38	34	
6"	120	0.026	10-16-31	-	152	18.6	6.4	3.2-4.7-9.5	38	39	23	-	-	-	
	155	0.043	13-20-36	-		24.1	10.6	4.1-6.1-10.9	42	43	31	14	-	-	
	190	0.064	16-25-40	26		29.5	15.9	5.0-7.5-12.1	46	47	37	22	16	14	
	225	0.090	19-29-43	30		34.9	22.4	5.9-8.9-13.1	49	50	41	28	23	20	
	260	0.120	23-33-46	35		40.4	29.9	6.8-10.0-14.1	51	53	46	34	28	25	
	295	0.154	26-35-49	38		45.8	38.4	7.8-10.6-15.0	53	55	49	39	33	29	
	330	0.193	29-37-52	41		51.2	48.1	8.7-11.2-15.9	55	57	53	44	37	33	
8"	130	0.016	9-14-29	-	203	20.2	3.9	2.6-4.4-8.7	35	35	17	-	-	-	
	180	0.030	13-20-39	-		27.9	7.5	4.0-6.0-11.7	41	41	27	-	-	-	
	230	0.049	17-25-44	23		35.7	12.3	5.1-7.7-13.3	45	46	34	18	13	11	
	280	0.073	21-31-48	29		43.5	18.2	6.3-9.4-14.6	48	50	40	26	20	18	
	330	0.101	24-36-52	34		51.2	25.2	7.4-11.1-15.9	51	53	45	32	26	23	
	380	0.134	28-40-56	38		59.0	33.5	8.5-12.1-17.1	53	55	49	38	32	28	
	430	0.172	32-42-60	41		66.8	42.8	9.6-12.8-18.1	55	58	52	43	36	32	

NOTE: See pages K1-18 and K1-20 for correction factors and notes.

1500, 1800 Performance Data

IP/METRIC DATA: 1500, 1800, 15° DEFLECTION, 7/32" BARS, 1/2" BAR SPACING (NO DAMPER)

	IP Data					Metric Data									
Nom. Duct	Air Flow	Press	Perpendicular	NC	Nom. Duct	Air Flow	Press	Perpendicular	Octave Band, dB						
		Pv	Throw					Pv							
in	CFM/ft	"WG	ft		mm	L/s/m	Pa	m	2	3	4	5	6	7	
10"	150	0.013	8-15-29	-	254	23.3	3.2	2.4-4.5-8.9	34	35	15	-	-	-	
	210	0.025	14-20-41	-		32.6	6.3	4.2-6.2-12.5	40	41	25	-	-	-	
	270	0.042	18-26-47	22		41.9	10.4	5.3-8.0-14.4	44	45	33	16	11	-	
	330	0.062	21-32-52	28		51.2	15.5	6.5-9.8-15.9	48	49	38	24	18	16	
	390	0.087	25-38-57	33		60.5	21.6	7.7-11.6-17.3	51	52	43	30	24	22	
	450	0.116	29-43-61	37		69.9	28.8	8.9-13.1-18.6	53	55	48	36	30	27	
	510	0.149	33-46-65	40		79.2	37.0	10.1-14.0-19.8	55	57	51	41	35	31	
12"	175	0.012	8-15-31	-	305	27.2	2.9	2.4-4.7-9.4	35	35	15	-	-	-	
	245	0.023	14-22-43	-		38.0	5.8	4.4-6.6-13.2	40	41	25	-	-	-	
	315	0.038	19-28-51	22		48.9	9.5	5.6-8.5-15.5	44	45	32	15	-	-	
	385	0.057	23-34-56	28		59.8	14.3	6.9-10.4-17.2	48	49	38	23	17	15	
	455	0.080	27-40-61	32		70.6	19.9	8.2-12.2-18.7	51	52	43	29	24	21	
	525	0.107	31-46-66	36		81.5	26.5	9.4-14.1-20.0	53	55	47	35	29	26	
	595	0.137	35-50-70	40		92.4	34.1	10.7-15.1-21.3	55	57	51	40	34	30	
14"	200	0.011	8-16-33	-	356	31.0	2.8	2.5-5.0-9.9	35	35	15	-	-	-	
	280	0.022	15-23-46	-		43.5	5.4	4.6-6.9-13.9	40	41	25	-	-	-	
	360	0.036	20-29-55	22		55.9	9.0	5.9-8.9-16.6	45	46	32	14	-	-	
	440	0.054	24-36-60	27		68.3	13.4	7.3-10.9-18.4	48	49	38	22	17	15	
	520	0.075	28-42-66	32		80.7	18.8	8.6-12.9-20.0	51	52	43	29	23	21	
	600	0.100	33-49-70	36		93.1	25.0	9.9-14.9-21.4	53	55	47	34	29	26	
	680	0.129	37-53-75	40		105.6	32.1	11.2-16.1-22.8	55	57	51	39	33	30	
16"	250	0.013	10-19-38	-	406	38.8	3.3	3.1-5.8-11.5	37	37	18	-	-	-	
	340	0.024	17-26-52	-		52.8	6.1	5.2-7.8-15.7	42	42	27	-	-	-	
	430	0.039	22-33-60	23		66.8	9.7	6.6-9.9-18.1	46	47	34	16	11	-	
	520	0.057	26-39-66	29		80.7	14.2	8.0-12.0-20.0	49	50	39	24	18	16	
	610	0.078	31-46-71	33		94.7	19.5	9.4-14.1-21.6	52	53	44	30	24	22	
	700	0.103	35-53-76	37		108.7	25.7	10.8-16.2-23.1	54	56	48	36	30	27	
	790	0.131	40-57-81	41		122.6	32.7	12.2-17.4-24.6	56	58	51	40	34	31	
18"	300	0.015	12-21-43	-	457	46.6	3.7	3.7-6.5-13.0	38	38	20	-	-	-	
	400	0.026	19-29-57	-		62.1	6.5	5.8-8.7-17.4	43	44	28	-	-	-	
	500	0.041	24-36-64	25		77.6	10.2	7.2-10.8-19.6	47	48	35	18	13	11	
	600	0.059	29-43-70	30		93.1	14.7	8.7-13.0-21.4	50	51	40	25	20	18	
	700	0.081	33-50-76	34		108.7	20.1	10.1-15.2-23.1	52	54	45	31	26	23	
	800	0.105	38-57-81	38		124.2	26.2	11.6-17.4-24.7	55	57	49	36	31	28	
	900	0.133	43-61-86	42		139.7	33.1	13.0-18.6-26.2	57	59	52	41	35	32	
20"	400	0.021	18-27-54	-	508	62.1	5.3	5.5-8.2-16.4	42	42	26	-	-	-	
	510	0.034	23-34-65	23		79.2	8.5	7.0-10.5-19.8	46	47	33	15	-	-	
	620	0.051	28-42-72	28		96.3	12.6	8.5-12.7-21.8	49	50	39	22	17	15	
	730	0.070	33-49-78	33		113.3	17.5	10.0-15.0-23.6	52	53	43	29	23	21	
	840	0.093	38-57-83	37		130.4	23.2	11.5-17.3-25.4	54	56	47	34	29	26	
	950	0.119	43-63-89	40		147.5	29.7	13.0-19.1-27.0	56	58	51	39	33	30	
	1060	0.148	48-66-94	44		164.6	36.9	14.5-20.1-28.5	58	60	54	44	37	34	
24"	450	0.018	18-28-55	-	610	69.9	4.6	5.4-8.4-16.8	41	42	24	-	-	-	
	570	0.029	23-35-69	21		88.5	7.3	7.1-10.7-20.9	45	46	31	12	-	-	
	690	0.043	28-42-76	27		107.1	10.7	8.6-12.9-23.0	48	49	37	20	15	13	
	810	0.059	33-50-82	31		125.7	14.8	10.1-15.1-24.9	51	52	42	26	21	19	
	930	0.078	38-57-88	35		144.4	19.5	11.6-17.4-26.7	53	55	46	32	26	24	
	1050	0.100	43-65-93	39		163.0	24.8	13.1-19.6-28.3	55	57	49	37	31	28	
	1170	0.124	48-70-98	42		181.6	30.8	14.6-21.2-29.9	57	59	52	41	35	32	

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 K1-20.

1500, 1800 Performance Data

IP/METRIC DATA: 1500, 1800, 30° DEFLECTION, 7/32" BARS, 7/16" BAR SPACING (NO DAMPER)

	IP Data					Metric Data									
Nom. Duct	Air Flow	Press Pv	Perpendicular Throw	NC	Nom. Duct	Air Flow	Press Pv	Perpendicular Throw	Octave Band, dB						
in.	CFM/ft	"WG	ft		mm	L/s/m	Pa	m	2	3	4	5	6	7	
2"	40	0.053	7-11-18	-	51	6.2	13.3	2.2-3.3-5.5	38	39	27	11	-	-	
	50	0.084	9-13-20	22		7.8	20.8	2.7-4.1-6.2	42	43	33	20	14	11	
	60	0.120	11-16-22	27		9.3	30.0	3.3-4.8-6.8	45	47	39	27	21	18	
	70	0.164	13-17-24	31		10.9	40.8	3.8-5.2-7.3	47	49	43	33	27	23	
	80	0.214	14-18-26	35		12.4	53.3	4.4-5.5-7.8	49	52	47	38	32	28	
	90	0.271	16-19-27	39		14.0	67.4	4.8-5.9-8.3	51	54	51	43	36	32	
	100	0.334	17-20-29	42		15.5	83.2	5.1-6.2-8.7	53	56	54	47	40	35	
2 1/2"	40	0.027	6-9-18	-	64	6.2	6.8	1.9-2.8-5.5	33	34	18	-	-	-	
	55	0.052	8-13-21	-		8.5	12.8	2.6-3.8-6.5	39	40	28	12	-	-	
	70	0.084	11-16-24	23		10.9	20.8	3.3-4.9-7.3	43	44	35	21	15	13	
	85	0.123	13-19-27	29		13.2	30.7	4.0-5.7-8.1	46	48	40	29	23	19	
	100	0.171	15-20-29	33		15.5	42.5	4.7-6.2-8.7	49	51	45	35	29	25	
	115	0.226	18-22-31	37		17.9	56.2	5.4-6.6-9.4	51	54	49	41	34	30	
	130	0.288	19-23-33	41		20.2	71.8	5.8-7.1-10.0	53	56	53	46	39	34	
3"	50	0.026	7-10-20	-	76	7.8	6.4	2.1-3.1-6.2	34	35	19	-	-	-	
	65	0.044	9-13-23	-		10.1	10.9	2.7-4.0-7.1	38	39	26	-	-	-	
	80	0.066	11-16-26	21		12.4	16.4	3.3-5.0-7.8	42	43	32	17	12	-	
	95	0.093	13-19-28	26		14.7	23.2	3.9-5.9-8.5	45	46	37	24	18	15	
	110	0.125	15-21-30	30		17.1	31.1	4.5-6.5-9.2	47	49	42	30	24	21	
	125	0.161	17-23-32	34		19.4	40.1	5.2-6.9-9.8	49	52	45	35	29	25	
	140	0.202	19-24-34	37		21.7	50.4	5.8-7.3-10.4	51	54	49	40	33	29	
3 1/2"	60	0.025	7-11-22	-	89	9.3	6.2	2.3-3.4-6.8	34	35	19	-	-	-	
	80	0.044	10-15-26	-		12.4	11.0	3.0-4.5-7.8	39	40	27	-	-	-	
	100	0.069	12-19-29	23		15.5	17.2	3.8-5.6-8.7	43	44	34	19	14	11	
	120	0.099	15-22-32	28		18.6	24.8	4.5-6.8-9.6	46	48	39	26	20	17	
	140	0.135	17-24-34	32		21.7	33.7	5.3-7.3-10.4	49	51	44	32	26	23	
	160	0.177	20-26-36	36		24.8	44.0	6.0-7.8-11.1	51	53	47	38	31	27	
	180	0.224	22-27-39	39		27.9	55.7	6.8-8.3-11.7	53	55	51	42	36	32	
4"	70	0.024	8-12-24	-	102	10.9	6.0	2.4-3.6-7.3	35	35	19	-	-	-	
	95	0.045	11-16-28	-		14.7	11.1	3.3-4.9-8.5	40	41	28	11	-	-	
	120	0.071	14-20-32	24		18.6	17.7	4.2-6.2-9.6	44	45	35	20	15	12	
	145	0.104	17-25-35	29		22.5	25.9	5.0-7.4-10.5	47	49	40	28	22	19	
	170	0.143	19-27-38	34		26.4	35.6	5.9-8.1-11.4	50	52	45	34	28	24	
	195	0.188	22-28-40	38		30.3	46.8	6.7-8.6-12.2	52	54	49	40	33	29	
	220	0.239	25-30-43	41		34.2	59.6	7.5-9.2-13.0	54	57	53	44	38	33	
5"	80	0.019	8-12-24	-	127	12.4	4.6	2.4-3.6-7.3	34	34	16	-	-	-	
	110	0.035	11-16-30	-		17.1	8.7	3.3-5.0-9.2	39	40	26	-	-	-	
	140	0.057	14-21-34	22		21.7	14.1	4.3-6.4-10.4	43	44	33	17	12	-	
	170	0.084	17-25-38	27		26.4	20.8	5.2-7.7-11.4	46	48	38	25	19	16	
	200	0.116	20-29-41	32		31.0	28.8	6.1-8.7-12.4	49	51	43	31	25	22	
	230	0.153	23-31-44	36		35.7	38.1	7.0-9.4-13.3	51	54	47	37	30	27	
	260	0.195	26-33-46	39		40.4	48.7	7.9-10.0-14.1	53	56	51	41	35	31	
6"	90	0.015	8-12-24	-	152	14.0	3.8	2.3-3.7-7.4	33	33	14	-	-	-	
	130	0.032	12-18-33	-		20.2	8.0	3.6-5.3-10.0	39	40	25	-	-	-	
	170	0.055	15-23-38	22		26.4	13.6	4.7-7.0-11.4	44	45	33	17	12	-	
	210	0.084	19-28-42	28		32.6	20.8	5.8-8.6-12.7	47	49	39	25	20	17	
	250	0.118	23-32-46	33		38.8	29.5	6.8-9.8-13.8	50	52	44	32	26	23	
	290	0.159	26-35-49	37		45.0	39.7	7.9-10.5-14.9	52	55	49	38	32	28	
	330	0.206	30-37-52	41		51.2	51.4	9.0-11.2-15.9	55	57	52	43	37	33	
8"	140	0.019	11-16-32	-	203	21.7	4.9	3.3-4.9-9.8	36	36	19	-	-	-	
	180	0.032	14-21-39	-		27.9	8.0	4.2-6.3-11.7	40	41	27	-	-	-	
	220	0.048	17-25-43	22		34.2	12.0	5.1-7.7-13.0	44	45	32	16	11	-	
	260	0.067	20-30-46	26		40.4	16.7	6.1-9.1-14.1	46	48	37	22	17	15	
	300	0.089	23-35-50	31		46.6	22.3	7.0-10.5-15.2	49	51	41	28	22	20	
	340	0.115	26-38-53	34		52.8	28.6	7.9-11.4-16.1	51	53	45	33	27	24	
	380	0.144	29-40-56	37		59.0	35.7	8.9-12.1-17.1	53	55	48	37	31	28	

NOTE: See pages K1-18 and K1-20 for correction factors and notes.

1500, 1800 Performance Data

IP/METRIC DATA: 1500, 1800, 30° DEFLECTION, 7/32" BARS, 7/16" BAR SPACING (NO DAMPER)

Nom. Duct	IP Data			NC	Nom. Duct	Metric Data			Octave Band, dB						
	Air Flow	Press	Perpendicular			Air Flow	Press	Perpendicular							
in.	CFM/ft	"WG	ft		mm	L/s/m	Pa	m	2	3	4	5	6	7	
10"	160	0.016	10-16-33	-	254	24.8	3.9	3.1-5.0-9.9	35	35	17	-	-	-	
	220	0.030	15-22-43	-		34.2	7.4	4.6-6.8-13.0	41	41	26	-	-	-	
	280	0.048	19-29-48	23		43.5	11.9	5.8-8.7-14.6	45	46	33	17	12	-	
	340	0.071	23-35-53	28		52.8	17.6	7.0-10.6-16.1	48	49	39	24	19	16	
	400	0.098	27-41-58	33		62.1	24.3	8.3-12.4-17.5	51	52	44	31	25	22	
	460	0.129	31-44-62	37		71.4	32.2	9.5-13.3-18.8	53	55	48	36	30	27	
12"	520	0.165	35-46-66	40	305	80.7	41.1	10.8-14.1-20.0	55	57	51	41	35	31	
	180	0.013	10-17-33	-		27.9	3.3	3.0-5.1-10.2	35	35	15	-	-	-	
	250	0.026	15-23-46	-		38.8	6.4	4.7-7.1-13.8	40	41	25	-	-	-	
	320	0.042	20-30-51	22		49.7	10.5	6.0-9.0-15.7	44	45	32	15	-	-	
	390	0.063	24-36-57	27		60.5	15.6	7.3-11.0-17.3	48	49	38	23	17	15	
	460	0.087	28-43-62	32		71.4	21.7	8.7-13.0-18.8	50	52	43	29	24	21	
14"	530	0.116	33-47-66	36	356	82.3	28.9	10.0-14.2-20.1	53	55	47	35	29	26	
	600	0.149	37-50-70	40		93.1	37.0	11.3-15.2-21.4	55	57	51	40	34	30	
	200	0.012	9-17-34	-		31.0	3.0	2.9-5.2-10.4	34	34	14	-	-	-	
	285	0.024	16-24-49	-		44.2	6.0	4.9-7.4-14.8	40	41	25	-	-	-	
	370	0.041	21-32-55	22		57.4	10.1	6.4-9.6-16.8	45	46	32	15	-	-	
	455	0.062	26-39-61	28		70.6	15.3	7.9-11.8-18.7	48	50	38	23	18	16	
16"	540	0.087	31-46-67	33	406	83.8	21.6	9.4-14.0-20.3	51	53	43	30	24	22	
	625	0.116	36-51-72	37		97.0	28.9	10.8-15.5-21.9	54	55	48	36	30	27	
	710	0.150	41-54-77	41		110.2	37.3	12.3-16.5-23.3	56	58	51	41	35	31	
	220	0.011	9-18-35	-		34.2	2.7	2.8-5.3-10.7	34	34	14	-	-	-	
	320	0.023	17-26-51	-		49.7	5.7	5.2-7.8-15.5	40	41	25	-	-	-	
	420	0.040	22-34-59	22		65.2	9.9	6.8-10.2-17.9	45	46	33	15	-	-	
18"	520	0.061	28-41-66	28	457	80.7	15.1	8.4-12.6-20.0	49	50	39	23	18	16	
	620	0.086	33-49-72	33		96.3	21.5	10.0-15.0-21.8	52	53	44	30	25	22	
	720	0.116	38-55-77	38		111.8	29.0	11.6-16.6-23.5	54	56	48	36	30	27	
	820	0.151	44-58-82	41		127.3	37.6	13.3-17.7-25.1	56	58	52	41	35	32	
	240	0.010	9-18-36	-		37.3	2.5	2.8-5.5-11.0	34	34	13	-	-	-	
	350	0.022	18-26-53	-		54.3	5.4	5.3-8.0-16.0	40	41	24	-	-	-	
20"	460	0.037	23-35-62	22	508	71.4	9.2	7.0-10.5-18.8	45	46	32	14	-	-	
	570	0.057	29-43-69	28		88.5	14.2	8.7-13.0-20.9	49	50	38	23	17	15	
	680	0.081	34-51-75	33		105.6	20.2	10.3-15.5-22.8	52	53	44	30	24	21	
	790	0.110	40-57-81	37		122.6	27.3	12.0-17.4-24.6	54	56	48	36	30	27	
	900	0.142	45-61-86	41		139.7	35.4	13.7-18.6-26.2	56	58	52	41	35	31	
	250	0.009	8-18-36	-	610	38.8	2.2	2.6-5.4-10.8	33	33	12	-	-	-	
24"	375	0.020	18-27-53	-		58.2	4.9	5.4-8.1-16.2	40	41	23	-	-	-	
	500	0.035	24-36-64	22		77.6	8.8	7.2-10.8-19.6	45	46	32	14	-	-	
	625	0.055	30-44-72	28		97.0	13.7	9.0-13.5-21.9	49	50	38	22	17	15	
	750	0.079	36-53-79	33		116.4	19.7	10.8-16.2-24.0	52	53	44	30	24	22	
	875	0.108	41-60-85	38		135.8	26.9	12.6-18.3-25.9	54	56	48	36	30	27	
	1000	0.141	47-64-91	41		155.2	35.1	14.4-19.6-27.7	57	59	52	41	35	32	
24"	300	0.009	9-19-39	-	610	46.6	2.2	2.8-5.9-11.8	34	34	12	-	-	-	
	440	0.019	19-28-57	-		68.3	4.7	5.8-8.7-17.3	40	41	23	-	-	-	
	580	0.033	25-38-69	21		90.0	8.1	7.6-11.4-21.1	45	46	31	13	-	-	
	720	0.050	31-47-77	28		111.8	12.5	9.4-14.2-23.5	49	50	38	21	16	14	
	860	0.071	37-56-84	33		133.5	17.8	11.3-16.9-25.7	52	53	43	28	23	21	
	1000	0.097	43-64-91	37		155.2	24.1	13.1-19.6-27.7	54	56	47	34	29	26	
	1140	0.126	49-69-97	41		177.0	31.3	14.9-20.9-29.5	56	58	51	39	33	30	

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 10⁻¹² 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. 1800 Maximum width is 12" (305). See Krueger's selection program for performance data not shown, including octave band data.