

RFPS (Page 94)

	Neck Velocity	300	400	500	600	700	800	900	1000	1200
6" Dia. Ak .20	cfm	60	80	100	120	140	160	180	200	235
	Ps	.005	.009	.015	.021	.027	.037	.047	.058	.080
	NC	x	x	x	x	21	26	32	34	39
	Throw	1.5	2	2.5	3	3.5	4	4.5	5.5	6.5
8" Dia. Ak .35	cfm	105	140	175	210	245	280	315	350	420
	Ps	.007	.012	.019	.027	.037	.049	.060	.074	.110
	NC	x	x	x	x	22	28	33	36	41
	Throw	2.5	3.5	4.5	5.5	6.5	7	8	9	10.5
10" Dia. Ak .54	cfm	165	220	270	325	380	435	490	545	655
	Ps	.008	.015	.023	.033	.046	.060	.076	.093	.135
	NC	x	x	x	22	27	32	36	39	43
	Throw	3.5	4.5	5.5	6.5	7.5	8.5	9.5	11	13
12" Dia. Ak .78	cfm	235	315	390	470	550	630	705	785	945
	Ps	.010	.018	.027	.039	.053	.070	.088	.110	.160
	NC	x	x	x	20	27	35	38	41	45
	Throw	3.5	5	6	7.5	8.5	10	11	12.5	15
14" Dia. Ak 1.07	cfm	320	430	535	640	750	855	960	1070	1285
	Ps	.011	.020	.031	.045	.060	.080	.105	.125	.180
	NC	x	x	x	25	31	34	39	43	49
	Throw	4	5.5	7	8.5	10	11	12.5	14	16.5

NC is based on 10db room absorption (Re: 10 - 12 watts).

X indicates NC less than 20. Throw in feet measured at a terminal velocity of 100 FPM. The change in throw due to pattern selection is not significant. Measurements were made an Alnor Thermo-Anemometer model 8565.

PDSD (Page 95)

	Neck Velocity	300	400	500	600	700	800	900	1000	1200
6" Dia. An .20	cfm	60	80	100	120	135	155	175	195	235
	Ps	.007	.013	.020	.029	.037	.048	.062	.076	.110
	NC	x	x	x	20	21	24	28	33	37
	1 Way Throw	4	6	7	8	10	11	13	14	16
8" Dia. An .35	cfm	105	140	175	210	245	280	315	350	420
	Ps	.011	.019	.030	.043	.059	.077	.097	.120	.173
	NC	x	x	x	20	22	27	31	35	40
	1 Way Throw	6	8	10	11.5	13	14.5	16	18	21
10" Dia. An .54	cfm	165	220	275	325	380	435	490	545	655
	Ps	.015	.026	.040	.056	.076	.100	.125	.15	.225
	NC	x	x	x	21	27	33	37	40	45
	1 Way Throw	8.5	11	14	16.5	19	22	25	27	30
12" Dia. An .78	cfm	235	315	395	470	550	630	705	785	940
	Ps	.016	.029	.045	.068	.086	.113	.140	.170	.250
	NC	x	x	x	20	25	32	35	38	44
	1 Way Throw	10	13	16.5	19.5	22	25	27	30	34
14" Dia. An 1.07	cfm	320	430	535	640	750	855	960	1070	1285
	Ps	.021	.037	.057	.082	.112	.145	.180	.225	.320
	NC	x	x	20	26	31	36	40	44	49
	1 Way Throw	11	15	19	22.5	26	29	32	35	39
16" Dia. An 1.57	cfm	420	560	700	840	980	1120	1260	1400	1680
	Ps	.025	.045	.070	.100	.130	.165	.200	.240	.360
	NC	x	x	20	26	31	36	40	44	49
	1 Way Throw	13	17	21	25	29	33	37	41	47
18" Dia. An 2.16	cfm	540	720	900	1080	1260	1440	1620	1800	2160
	Ps	.030	.060	.090	.135	.180	.225	.270	.315	.450
	NC	x	x	20	26	31	36	40	44	49
	1 Way Throw	15	20	25	30	35	40	45	50	57
20" Dia. An 2.83	cfm	660	880	1100	1320	1540	1760	1980	2200	2640
	Ps	.035	.080	.120	.175	.230	.285	.340	.395	.540
	NC	x	x	20	26	31	36	40	44	49
	1 Way Throw	17	23	29	35	41	47	53	59	67
22" Dia. An 3.50	cfm	792	1056	1320	1584	1848	2112	2376	2640	3168
	Ps	.040	.100	.150	.225	.300	.375	.450	.525	.720
	NC	x	x	20	26	31	36	40	44	49
	1 Way Throw	19	26	33	40	47	54	61	68	78
24" Dia. An 4.24	cfm	960	1280	1600	1920	2240	2560	2880	3200	3840
	Ps	.045	.120	.180	.270	.360	.450	.540	.630	.840
	NC	x	x	20	26	31	36	40	44	49
	1 Way Throw	21	29	37	45	53	61	69	77	89

Note: The use of a balancing hood is recommended to balance the system.

NC is based on 10 db room attenuation (Re: 10 - 12 watts) ASHRAE 36-72. X=less than 20.

Terminal velocity of 75 fpm.

PD, PDR, RFPR, RENP (Page 90, 94, 95)

	Neck Velocity, FPM	200	300	400	500	600	700	800
6" Dia.	cfm	40	60	80	100	120	135	155
	-Ps	.003	.007	.012	.019	.027	.034	.044
8" Dia.	cfm	70	105	140	175	210	245	280
	-Ps	.004	.010	.017	.026	.037	.051	.068
10" Dia.	cfm	110	165	220	275	325	380	435
	-Ps	.005	.011	.020	.030	.043	.058	.076
12" Dia.	cfm	155	235	315	395	470	550	630
	-Ps	.005	.012	.021	.033	.046	.063	.083
14" Dia.	cfm	215	320	430	535	640	750	855
	-Ps	.006	.013	.023	.035	.050	.069	.090
16" Dia.	cfm	280	420	560	700	840	975	1115
	-Ps	.008	.018	.031	.048	.070	.094	.120
18" Dia.	cfm	355	530	705	885	1060	1235	1415
	-Ps	.008	.018	.031	.049	.070	.092	.125
24 x 24	cfm	735	1100	1470	1835	2200	2570	2935
	-Ps	.008	.018	.032	.050	.070	.095	.130