

DPD, DPD R6 (Page 62, 66)

RENPS, ARENPS, PDS (Page 62, 66)

Neck Velocity		400	500	600	700	800	900	1000	1200	1400	1600
6" An .200 Ak .279	CFM	80	100	120	135	155	175	195	235	275	315
	Ps	.006	.010	.014	.018	.023	.030	.037	.054	.073	.096
	NC	<20	<20	<20	<20	<20	20	25	30	35	40
	Throw	1.0	2.0	2.0	2.5	3.0	3.5	4.0	4.5	5.5	6.5
8" An .350 Ak .354	CFM	140	175	210	245	280	315	350	420	490	560
	Ps	.010	.015	.022	.029	.038	.049	.060	.086	.117	.150
	NC	<20	<20	<20	20	25	30	30	35	40	45
	Throw	2.5	3.5	4.0	4.5	5.0	5.5	6.0	7.0	8.0	9.0
10" An .540 Ak .400	CFM	220	275	325	380	435	490	545	655	765	875
	Ps	.014	.021	.030	.041	.054	.068	.084	.122	.167	.212
	NC	<20	<20	<20	20	25	30	35	40	45	50
	Throw	4.0	5.5	6.5	8.0	9.0	10.5	11.5	14.5	17.0	20.0
12" An .780 Ak .397	CFM	315	395	470	550	630	705	785	945	1100	1260
	Ps	.015	.023	.033	.045	.060	.072	.094	.132	.180	.230
	NC	<20	<20	20	25	30	35	35	40	45	50
	Throw	5.5	7.0	8.5	10.0	11.5	13.0	14.5	17.5	20.5	24.0
14" An 1.070 Ak .393	CFM	430	535	640	750	855	960	1070	1280	1500	1710
	Ps	.023	.036	.051	.071	.093	.115	.140	.205	.277	.350
	NC	<20	<20	25	30	35	35	40	45	50	55
	Throw	7.0	8.5	10.5	12.0	13.5	15.5	17.0	20.5	24.0	24.5

Neck Velocity		300	400	500	600	700	800	900	1000	1100
6" Diameter An .200	CFM	60	80	100	120	140	160	180	200	220
	Ps	.008	.011	.017	.024	.032	.042	.054	.066	.080
	NC	<20	<20	<20	24	27	32	36	38	38
	Throw	1.0	2.0	3.0	3.0	4.0	4.0	5.0	5.0	6.0
8" Diameter An .350	CFM	105	140	175	210	245	280	310	350	385
	Ps	.008	.011	.017	.024	.034	.043	.054	.068	.083
	NC	<20	<20	<20	24	27	30	34	38	38
	Throw	2.0	3.0	4.0	4.0	5.0	6.0	7.0	8.0	8.5
10" Diameter An .540	CFM	165	220	270	325	385	430	490	550	600
	Ps	.008	.012	.017	.024	.032	.043	.056	.068	.082
	NC	<20	<20	20	24	29	33	36	39	42
	Throw	2.0	3.0	4.0	5.0	5.0	6.0	7.0	8.0	9.0
12" Diameter An .780	CFM	230	310	390	470	550	610	700	780	870
	Ps	.009	.016	.026	.037	.050	.065	.080	.100	.125
	NC	<20	<20	20	23	26	31	34	37	40
	Throw	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0
14" Diameter An 1.070	CFM	315	430	535	640	750	855	960	1090	1200
	Ps	.009	.016	.026	.037	.050	.065	.083	.125	.150
	NC	<20	20	25	30	35	39	43	45	48
	Throw	3.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0

Note: The use of a balancing hood is recommended to balance the system.
 NC is based on 10dB room attenuation (Re: 10⁻¹² watts) ASHRAE 36-72.
 Terminal Velocity of 75 FPM An = Neck Area in Sq. Ft.

Terminal Velocity of 75 FPM
 An = Neck Area in Sq. Ft.
 NC = Noise Criteria based on 10dB room absorption (Re: 10⁻¹² watts).

PDS (Page 67)

HVS, HVS R6, FPD, FPD3 (Page 63)

Neck Velocity		300	400	500	600	700	800	900	1000	1200
6" Diameter An .200	CFM	60	80	100	120	135	155	175	195	235
	Ps	.007	.013	.020	.029	.037	.048	.062	.076	.110
	NC	<20	<20	<20	20	21	24	28	33	37
	Throw	4.0	6.0	7.0	8.0	10.0	11.0	13.0	14.0	16.0
8" Diameter An .350	CFM	105	140	175	210	245	280	315	350	420
	Ps	.011	.019	.030	.043	.059	.077	.097	.120	.173
	NC	<20	<20	<20	20	22	27	31	35	40
	Throw	6.0	8.0	10.0	11.5	13.0	14.5	16.0	18.0	21.0
10" Diameter An .540	CFM	165	220	275	325	380	435	490	545	655
	Ps	.015	.026	.040	.046	.076	.100	.125	.115	.225
	NC	<20	<20	<20	21	27	33	37	40	45
	Throw	8.5	11.0	14.0	16.5	19.0	22.0	25.0	27.0	30.0
12" Diameter An .780	CFM	235	315	395	470	550	630	705	785	940
	Ps	.016	.029	.045	.068	.086	.113	.140	.170	.250
	NC	<20	<20	<20	20	25	32	35	38	44
	Throw	10.0	13.0	16.5	19.5	22.0	25.0	27.0	30.0	34.0
14" Diameter An 1.070	CFM	320	430	535	640	750	855	960	1070	1285
	Ps	.021	.037	.057	.082	.112	.145	.180	.225	.320
	NC	<20	<20	20	26	31	36	40	44	49
	Throw	11.0	15.0	19.0	22.5	26.0	29.0	32.0	35.0	39.0

Notes: The use of a balancing hood is recommended to balance the system.
 NC is based on 10dB room attenuation (Re: 10⁻¹² watts) ASHRAE 36-72.
 Terminal Velocity of 75 FPM

RFPS (Page 66)

Neck Velocity		300	400	500	600	700	800	900	1000	1200
6" Diameter Ak .200	CFM	60	80	100	120	140	160	180	200	235
	Ps	.005	.009	.015	.021	.027	.037	.047	.058	.080
	NC	<20	<20	<20	<20	21	26	32	34	39
	Throw	1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.5	6.5
8" Diameter Ak .350	CFM	105	140	175	210	245	280	315	350	420
	Ps	.007	.012	.019	.027	.037	.049	.060	.074	.110
	NC	<20	<20	<20	<20	22	28	33	36	41
	Throw	2.5	3.5	4.5	5.5	6.5	7.0	8.0	9.0	10.5
10" Diameter Ak .540	CFM	165	220	270	325	380	435	490	545	655
	Ps	.008	.015	.023	.033	.046	.060	.076	.093	.135
	NC	<20	<20	<20	22	27	32	36	39	43
	Throw	3.5	4.5	5.5	6.5	7.5	8.5	9.5	11.0	13.0
12" Diameter Ak .780	CFM	235	315	390	470	550	630	705	785	945
	Ps	.010	.018	.027	.039	.053	.070	.088	.110	.160
	NC	<20	<20	<20	20	27	35	38	41	45
	Throw	3.5	5.0	6.0	7.5	8.5	10.0	11.0	12.5	15.0
14" Diameter Ak 1.070	CFM	320	430	535	640	750	855	960	1070	1285
	Ps	.011	.020	.031	.045	.060	.080	.105	.125	.180
	NC	<20	<20	<20	25	31	34	39	43	49
	Throw	4.0	5.5	7.0	8.5	10.0	11.0	12.5	14.0	16.5

Notes: NC is Noise Criteria based on 10dB room absorption (Re: 10⁻¹² watts).
 Throw in feet measured at a terminal velocity of 100 FPM.
 The change in throw due to pattern selection is not significant.

Recommended Noise Criteria and Face Velocity Ranges are on page 75