

1500 / 1520 / 1530 / 1540 / 1560 / 1570

Step-Down Diffusers

Neck Velocity		400	500	600	700	800	900	1000	1200	1400	1600
6"	CFM	80	100	120	135	155	175	195	235	275	315
	An .200	.008	.012	.017	.021	.028	.035	.043	.063	.086	.112
	Ak .780	<20	<20	<20	<20	<20	<20	20	25	30	35
	Throw	2.0	3.0	3.0	3.5	4.0	4.5	5.0	6.0	7.0	8.0
8"	CFM	140	175	210	245	280	315	350	420	490	560
	An .350	.010	.015	.022	.029	.038	.049	.060	.086	.117	.150
	Ak .920	<20	<20	<20	<20	20	25	30	35	35	40
	Throw	3.5	4.5	5.5	6.5	7.0	8.0	9.0	10.5	12.5	14.5
10"	CFM	220	270	325	380	435	490	545	655	765	870
	An .540	.014	.021	.030	.041	.054	.068	.084	.122	.167	.212
	Ak 1.200	<20	<20	<20	20	25	30	35	35	40	45
	Throw	5.5	7.0	8.5	10.0	11.0	12.5	14.0	17.0	19.5	22.0
12"	CFM	315	390	470	550	630	705	785	940	1100	1255
	An .780	.015	.023	.033	.045	.060	.072	.094	.132	.180	.230
	Ak 1.650	<20	<20	20	25	30	35	35	40	45	45
	Throw	6.0	7.5	9.0	10.5	12.0	13.5	15.0	18.0	21.0	24.0
14"	CFM	430	535	640	750	855	960	1070	1285	1500	1710
	An 1.070	.023	.036	.051	.071	.093	.115	.140	.205	.277	.350
	Ak 2.060	<20	<20	20	25	30	35	40	40	45	45
	Throw	6.5	8.0	9.5	11.5	13.0	14.5	16.0	19.0	22.5	25.0

Terminal Velocity of 75 FPM

An = Neck Area in square feet

Ak = Effective Area in square feet

Ps = Static Pressure Loss in inches of water

NC = Noise Criteria, based on a 10dB room attenuation (RE: 10⁻¹² watts) ASHRAE 36-72

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