



Performance Data Directional 4-Way Diffuser

5404SD | A5404SD

Neck Velocity	200	300	400	500	600	700	800
Pk	0.006	0.013	0.022	0.035	0.05	0.068	0.09
Pt	0.008	0.018	0.032	0.05	0.072	0.099	0.126

Neck Size	AK								
6"x 6"	0.145	Total CFM	50	75	100	125	150	175	200
		CFM/Side	13	19	25	31	38	44	50
		Throw	2-4	4-8	7-11	9-13	11-16	13-17	15-19
		NC	-	-	-	-	21	26	31
9"x 9"	0.325	Total CFM	114	170	225	280	334	395	450
		CFM/Side	28	42	56	70	85	99	113
		Throw	3-5	5-9	8-12	10-15	12-17	14-18	14-20
		NC	-	-	-	20	25	32	34
12"x 12"	0.578	Total CFM	201	301	401	501	601	701	801
		CFM/Side	50	75	100	125	150	175	200
		Throw	3-8	6-10	9-14	11-16	13-18	15-21	16-22
		NC	-	-	-	25	30	35	36
15"x 15"	0.903	Total CFM	314	470	626	782	939	1095	1250
		CFM/Side	78	118	156	195	234	274	313
		Throw	4-8	7-12	10-15	12-18	15-20	17-22	18-24
		NC	-	-	22	27	32	37	38
18"x 18"	1.301	Total CFM	450	675	900	1125	1350	1575	2025
		CFM/Side	113	170	225	282	338	394	450
		Throw	5-10	8-14	11-17	14-20	16-22	18-23	23-28
		NC	-	-	23	28	33	38	39

CFM Cubic Feet per Minute (air)

FPM Velocity of Air in Feet per Minute

Pv Velocity pressure (inches of water column)

Pt Total Pressure (inches of water column)

Ps Static Pressure = Pt-Pv (inches of water column)

Throw Horizontal throw in feet of Terminal Velocities of 150 fpm and 50 fpm with supply air 20 degrees F below room air temperature

NC Noise criterion, sound level pressure NC ratings are based on sound power level (Lw) Re: 10E-12 watts a 10DB room attenuation in all octave bands

Ak Area Factor