

Return Air Square Ceiling Diffuser - Three Way

1.7 Air Flow Data

Neck Size in mm x mm	Neck Velocity fpm	200	250	300	350	400	500	600	700	800
150 x 150	L/s	23	29	35	40	46	58	69	81	92
	M ³ /sec.	0.023	0.029	0.035	0.040	0.046	0.058	0.069	0.081	0.092
	P _s (Pa)	6.86	10.98	14.51	19.81	25.40	40.60	58.45	80.41	104.64
	NC	<15	<15	<15	<15	19	23	29	33	39
225 x 225	L/s	51	64	77	89	102	128	153	179	204
	M ³ /sec.	0.051	0.064	0.077	0.089	0.102	0.128	0.153	0.179	0.204
	P _s (Pa)	7.45	12.06	16.48	21.57	29.03	44.91	64.92	90.91	117.68
	NC	<15	<15	<15	15	21	26	34	38	44
300 x 300	L/s	91	113	135	158	180	225	270	315	360
	M ³ /sec.	0.091	0.113	0.135	0.158	0.180	0.225	0.270	0.315	0.360
	P _s (Pa)	8.53	13.34	17.85	24.12	31.87	50.11	72.67	98.65	130.82
	NC	<15	<15	15	21	23	31	36	43	48
375 x 375	L/s	141	176	212	246	282	353	423	494	563
	M ³ /sec.	0.141	0.176	0.212	0.246	0.282	0.353	0.423	0.494	0.563
	P _s (Pa)	9.61	15.00	20.30	27.36	36.19	56.58	83.16	111.60	146.41
	NC	<15	<15	19	24	32	36	41	47	49
450 x 450	L/s	203	254	305	355	406	508	608	710	811
	M ³ /sec.	0.203	0.254	0.305	0.355	0.406	0.508	0.608	0.710	0.811
	P _s (Pa)	10.49	15.98	21.77	29.71	39.62	61.68	88.36	122.09	159.46
	NC	<15	16	23	31	35	40	43	46	52
525 x 525	L/s	276	344	414	48	551	689	827	965	1103
	M ³ /sec.	0.276	0.344	0.414	0.048	0.551	0.689	0.827	0.965	1.103
	P _s (Pa)	11.18	17.55	23.63	31.97	42.46	66.78	96.01	129.84	172.50
	NC	17	24	29	34	40	44	45	49	55
600 x 600	L/s	360	450	539	630	719	899	1079	1259	1439
	M ³ /sec.	0.360	0.450	0.539	0.630	0.719	0.899	1.079	1.259	1.439
	P _s (Pa)	12.26	19.32	25.40	35.11	45.80	71.98	103.85	142.78	188.29
	NC	23	29	36	38	41	46	48	53	56

- Neck Velocity is measured in fpm.
- P_s : Static pressure drop in Pascal.
- Noise Criteria (NC) based on room attenuation of 10 dB.