

Return Air Square Ceiling Diffuser - Four Way

1.8 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)	6.28	10.00	14.22	19.42	24.61	39.32	56.09	77.47	99.64
	NC	<15	<15	<15	<15	19	23	28	34	38
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)	6.77	10.98	16.18	21.18	28.15	43.54	62.27	87.18	112.09
	NC	<15	<15	<15	<15	21	28	32	40	45
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)	7.75	12.16	17.46	23.63	30.89	48.54	69.73	94.63	124.54
	NC	<15	<15	15	19	23	30	37	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)	8.73	13.63	19.91	26.87	35.11	54.82	79.73	106.89	139.45
	NC	<15	<15	18	24	31	37	41	47	51
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)	9.51	14.61	21.38	29.13	38.34	59.72	84.73	117.09	151.91
	NC	<15	16	23	29	35	38	44	48	51
525 x 525	L/s	276	344	414	483	551	689	827	965	1103
	M ³ /sec.	0.276	0.344	0.414	0.483	0.551	0.689	0.827	0.965	1.103
	P _s (Pa)	10.20	15.98	23.14	31.38	41.09	64.72	92.08	124.54	164.36
	NC	17	25	29	35	39	43	46	51	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)	11.18	17.46	24.91	34.42	44.33	69.73	99.64	136.31	179.36
	NC	22	30	36	39	41	45	49	54	57

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