

DAT / ARCHITECTURAL CEILING / LOUVERED PLAQUE

24 X 24, 1-slot		Air Flow, cfm	79	99	118	138	158	177	197	236	276
6" Round Neck	Neck Velocity	400	500	600	700	800	900	1000	1200	1400	
	Velocity Pressure, in. WG	0.010	0.016	0.022	0.031	0.040	0.051	0.062	0.090	0.122	
	Total Pressure, in. WG	0.022	0.035	0.051	0.069	0.090	0.114	0.140	0.202	0.275	
	Throw Feet	2-3-5	2-3-7	3-4-8	3-5-9	4-5-11	4-6-12	4-7-13	5-8-14	6-9-15	
	NC (Noise Criteria)	-	13	18	22	26	29	32	36	41	
8" Round Neck	Air Flow, cfm	140	166	192	218	244	270	297	323	349	
	Neck Velocity	400	475	550	625	700	775	850	925	1000	
	Velocity Pressure, in. WG	0.010	0.014	0.019	0.024	0.031	0.037	0.045	0.053	0.062	
	Total Pressure, in. WG	0.027	0.038	0.051	0.066	0.083	0.102	0.123	0.146	0.170	
	Throw Feet	3-5-9	4-6-11	4-7-13	5-7-14	6-8-14	6-9-15	7-10-16	7-11-17	8-12-17	
10" Round Neck	Air Flow, cfm	109	150	191	232	273	313	354	395	436	
	Neck Velocity	200	275	350	425	500	575	650	725	800	
	Velocity Pressure, in. WG	0.003	0.005	0.008	0.011	0.016	0.021	0.026	0.033	0.040	
	Total Pressure, in. WG	0.008	0.015	0.024	0.036	0.049	0.065	0.084	0.104	0.127	
	Throw Feet	2-4-7	3-5-10	4-6-13	5-8-14	6-9-15	7-11-16	8-12-17	9-13-18	10-14-19	
24 X 24, 2-slot	Air Flow, cfm	59	94	128	163	197	231	266	300	335	
	Neck Velocity	300	475	650	825	1000	1175	1350	1525	1700	
	Velocity Pressure, in. WG	0.006	0.014	0.026	0.042	0.062	0.086	0.114	0.145	0.180	
	Total Pressure, in. WG	0.010	0.025	0.047	0.076	0.111	0.154	0.203	0.259	0.321	
	Throw Feet	0-1-3	1-2-4	2-3-6	2-4-8	3-5-9	4-6-11	4-6-13	5-7-14	5-8-16	
8" Round Neck	Air Flow, cfm	140	192	244	297	349	401	454	506	558	
	Neck Velocity	400	550	700	850	1000	1150	1300	1450	1600	
	Velocity Pressure, in. WG	0.010	0.019	0.031	0.045	0.062	0.082	0.105	0.131	0.160	
	Total Pressure, in. WG	0.022	0.041	0.066	0.097	0.135	0.178	0.228	0.283	0.345	
	Throw Feet	2-3-7	3-5-9	4-6-12	5-7-14	6-8-17	6-10-18	7-11-20	8-12-21	9-13-22	
10" Round Neck	Air Flow, cfm	218	273	327	382	436	491	545	600	654	
	Neck Velocity	400	500	600	700	800	900	1000	1100	1200	
	Velocity Pressure, in. WG	0.010	0.016	0.022	0.031	0.040	0.051	0.062	0.075	0.090	
	Total Pressure, in. WG	0.025	0.039	0.056	0.077	0.100	0.127	0.157	0.189	0.225	
	Throw Feet	3-5-10	4-7-13	5-8-16	6-9-18	7-10-19	8-12-20	9-13-21	10-14-23	10-16-24	
12" Round Neck	Air Flow, cfm	236	314	393	471	550	628	707	785	864	
	Neck Velocity	300	400	500	600	700	800	900	1000	1100	
	Velocity Pressure, in. WG	0.006	0.010	0.016	0.022	0.031	0.040	0.051	0.062	0.075	
	Total Pressure, in. WG	0.016	0.028	0.044	0.064	0.087	0.113	0.143	0.177	0.214	
	Throw Feet	4-6-11	5-8-15	6-9-18	8-11-20	9-13-22	10-15-23	11-17-24	13-18-26	14-19-27	
24 X 24, 3-slot	Air Flow, cfm	140	192	244	297	349	401	454	506	558	
	Neck Velocity	400	550	700	850	1000	1150	1300	1450	1600	
	Velocity Pressure, in. WG	0.010	0.019	0.031	0.045	0.062	0.082	0.105	0.131	0.160	
	Total Pressure, in. WG	0.019	0.036	0.058	0.085	0.118	0.156	0.199	0.247	0.301	
	Throw Feet	1-2-5	2-4-8	3-5-10	4-6-12	5-7-14	5-8-16	6-9-18	7-10-20	7-11-22	
10" Round Neck	Air Flow, cfm	164	232	300	368	436	504	572	640	709	
	Neck Velocity	300	425	550	675	800	925	1050	1175	1300	
	Velocity Pressure, in. WG	0.006	0.011	0.019	0.028	0.040	0.053	0.069	0.086	0.105	
	Total Pressure, in. WG	0.012	0.025	0.041	0.062	0.087	0.117	0.151	0.189	0.231	
	Throw Feet	1-3-6	3-5-9	4-6-12	5-7-14	6-9-17	7-10-20	7-11-22	8-13-23	9-14-24	
12" Round Neck	Air Flow, cfm	236	314	393	471	550	628	707	785	864	
	Neck Velocity	300	400	500	600	700	800	900	1000	1100	
	Velocity Pressure, in. WG	0.006	0.010	0.016	0.022	0.031	0.040	0.051	0.062	0.075	
	Total Pressure, in. WG	0.014	0.025	0.039	0.056	0.076	0.099	0.125	0.154	0.187	
	Throw Feet	3-5-9	4-6-12	5-8-15	6-9-18	7-11-22	8-12-23	9-14-24	10-15-26	11-17-27	
14" Round Neck	Air Flow, cfm	321	428	535	641	748	855	962	1069	1176	
	Neck Velocity	300	400	500	600	700	800	900	1000	1100	
	Velocity Pressure, in. WG	0.006	0.010	0.016	0.022	0.031	0.040	0.051	0.062	0.075	
	Total Pressure, in. WG	0.015	0.027	0.043	0.062	0.084	0.110	0.139	0.171	0.207	
	Throw Feet	4-6-13	6-8-17	7-10-21	8-13-23	10-15-25	11-17-27	13-19-29	14-21-30	15-22-32	

- Throw values given are for terminal velocities of 150, 100 and 50 fpm and for isothermal conditions. See the section, Engineering Guidelines for throw calculation data.
- NC values based on Octave Band 2 to 7 sound power levels minus a room absorption of 10 dB

- Dash (-) in space indicates NC value less than 10
- Data obtained from tests conducted in accordance with ANSI/ASHRAE Standard 70-2006