

MODEL: AC  
 SQUARE CONE DIFFUSER  
 T-BAR, ROUND NECK

NOMINAL NECK SIZE	NECK VELOCITY, FPM	400	500	600	700	800	900	1000	1200	1400
	VP	.010	.016	.022	.031	.040	.050	.062	.090	.122
	TP	.015	.023	.034	.046	.060	.076	.094	.135	.183
6"	FLOW RATE, CFM	78	98	118	137	157	176	196	235	274
	THROW 150, 100, 50	1-2-4	1-2-4	2-3-5	2-3-6	2-4-7	3-4-7	3-4-7	4-5-8	4-6-9
	NC	-	-	-	-	-	19	22	28	33
8"	TP	.016	.025	.037	.050	.065	.082	.102	.146	.199
	FLOW RATE, CFM	140	175	209	244	279	314	349	419	489
	THROW 150, 100, 50	2-2-5	2-3-6	2-4-7	3-4-8	3-5-9	4-6-9	4-6-10	5-7-11	6-8-12
	NC	-	-	-	-	19	22	26	31	36
10"	TP	.019	.030	.044	.060	.078	.098	.122	.175	.238
	FLOW RATE, CFM	218	273	327	382	436	491	545	654	763
	THROW 150, 100, 50	2-3-6	3-4-8	3-5-9	4-6-10	4--11	5-7-12	5-8-12	6-9-13	8-10-1?
	NC	-	-	-	17	21	25	28	34	39
12"	TP	.023	.036	.051	.070	.091	.115	.142	.205	.279
	FLOW RATE, CFM	314	393	471	550	628	707	785	942	1099
	THROW 150, 100, 50	3-4-8	3-5-10	4-6-11	5-7-12	5-8-13	6-9-14	7-10-15	8-11-16	9-12-?
	NC	-	-	-	19	24	27	30	36	41
14"	TP	.026	.041	.058	.079	.104	.131	.162	.233	.318
	FLOW RATE, CFM	428	535	641	748	855	962	1069	1283	1497
	THROW 150, 100, 50	3-5-10	4-6-12	5-7-13	6-9-14	6-10-15	7-11-16	8-12-17	10-13-?	11-14-?
	NC	-	-	16	21	25	29	32	38	43
16"	TP	.028	.044	.064	.087	.114	.144	.178	.256	.348
	FLOW RATE, CFM	491	614	736	859	982	1104	1227	1472	1718
	THROW 150, 100, 50	4-5-11	4-7-13	5-8-14	6-9-15	7-11-16	8-12-17	9-13-18	11-14-?	12-15-?
	NC	-	-	17	22	26	30	33	39	43

FORMERLY MODEL 3-CD

**Performance notes:**

- All pressures are in inches or water.
- The NC values, sound pressure level, are based on a room absorption of 10 dB re 10<sup>-12</sup> watts.
- Tested in accordance with ASHRAE Standard 70-1991 "Method of testing for Rating the Performance of Air Outlets and Inlets."
- Radii of diffusion are given in feet to terminal velocities of 150 fpm (min.), 100 fpm (middle) and 50 fpm (max.).
- Blanks (—) indicate an NC below 15 dB.
- Throw data based on supply air and room air being at isothermal conditions.
- If the diffuser is mounted on an exposed duct, multiply the radii of diffusion in the table by 0.70.
- Air flow is in cubic feet per minute, cfm.