

MODEL: APM3
 PERFORATED MODULAR CORE DIFFUSER
 T-BAR, SQUARE NECK

NOMINAL NECK SIZE	NECK VELOCITY, FPM VELOCITY PRESSURE TOTAL PRESSURE	300 .006 .026	400 .010 .045	500 .016 .070	600 .022 .101	700 .031 .143	800 .040 .185
6" X 6"	FLOW RATE, CFM	75	100	125	150	175	200
	4-WAY	2-3-6	3-5-7	4-6-8	5-6-8	5-7-9	6-7-10
	3-WAY	2-4-8	3-6-8	5-7-9	6-8-10	7-8-11	7-8-12
	2-WAY	3-6-10	5-8-12	6-9-13	9-10-15	8-11-16	9-12-17
	1-WAY	5-6-13	6-9-15	7-11-17	9-13-19	11-14-20	10-13-20
	NOISE CRITERIA (NC)	-	-	21	27	31	36
8" X 8"	FLOW RATE, CFM	133	178	222	267	311	356
	4-WAY	2-4-8	3-5-9	4-4-8	4-7-11	7-9-13	8-9-14
	3-WAY	3-5-10	4-7-12	5-7-9	5-8-13	8-11-16	8-12-17
	2-WAY	4-7-13	6-8-16	6-9-13	8-11-18	10-15-22	12-16-26
	1-WAY	5-8-17	8-11-21	9-14-23	11-17-26	13-19-28	15-21-30
	NOISE CRITERIA (NC)	-	-	24	30	35	39
10" X 10"	FLOW RATE, CFM	208	278	347	417	486	556
	4-WAY	3-5-9	4-7-12	5-8-14	7-10-15	8-11-17	8-12-18
	3-WAY	3-6-12	5-8-15	7-9-17	8-12-19	9-14-20	10-15-22
	2-WAY	5-8-16	7-10-21	8-13-23	10-16-26	12-19-28	14-21-30
	1-WAY	6-9-21	8-13-26	11-17-30	13-21-33	16-24-35	18-26-38
	NOISE CRITERIA (NC)	-	18	26	32	36	41
12" X 12"	FLOW RATE, CFM	300	400	500	600	700	800
	4-WAY	3-6-11	5-8-15	6-9-17	8-11-19	8-14-20	10-15-22
	3-WAY	4-7-14	6-9-18	8-11-21	9-14-23	11-17-25	12-18-27
	2-WAY	5-9-19	8-12-25	10-16-28	12-19-31	15-23-34	17-25-36
	1-WAY	7-11-25	10-16-32	13-20-36	16-25-40	19-32-43	21-32-46
	NOISE CRITERIA (NC)	-	20	28	35	39	41
14" X 14"	FLOW RATE, CFM	408	544	681	817	953	1089
	4-WAY	3-7-13	6-8-18	8-11-20	8-13-22	10-16-24	12-18-26
	3-WAY	4-8-16	7-10-22	8-13-25	10-17-27	12-20-29	14-22-32
	2-WAY	6-10-23	9-14-30	12-19-33	14-23-37	17-27-40	20-30-43
	1-WAY	8-13-29	12-19-38	15-24-42	19-29-47	22-34-50	25-38-54
	NOISE CRITERIA (NC)	-	22	30	35	42	45
16" X 16"	FLOW RATE, CFM	533	711	889	1067	1244	1422
	4-WAY	4-8-15	7-10-21	8-13-23	10-15-26	12-18-28	14-21-30
	3-WAY	5-8-19	8-12-25	10-15-28	12-19-31	14-22-34	17-25-36
	2-WAY	7-12-26	10-17-34	14-21-38	17-26-42	20-30-46	23-34-49
	1-WAY	8-15-33	14-21-43	17-27-49	21-33-53	22-39-58	29-43-62
	NOISE CRITERIA (NC)	-	23	30	36	42	46
18" X 18"	FLOW RATE, CFM	675	900	1125	1350	1575	1800
	4-WAY	4-8-18	8-11-23	9-14-26	12-18-29	13-21-32	15-23-34
	3-WAY	7-10-21	8-14-29	11-18-32	14-21-35	16-25-38	19-29-41
	2-WAY	7-14-29	12-19-39	15-24-44	19-29-48	22-34-52	24-39-56
	1-WAY	9-18-37	15-24-49	20-31-55	24-37-60	28-44-65	33-49-70
	NOISE CRITERIA (NC)	-	24	32	39	43	47

FORMERLY MODEL MAC-PERF-TB

Performance notes:

1. Tested in accordance with ASHRAE Standard 70-1991 "Method of Testing for Rating the Performance of Air Outlets and Inlets".
2. Air flow is in cubic feet per minute, cfm.
3. All pressures are in inches of water. To obtain static pressure, subtract the velocity pressure at the top of the column from the listed total pressure.
4. Throw values are given in feet to terminal velocities of 150 fpm (min.), 100 fpm (middle) and 50 fpm (max.).
5. Throw data is based on supply air and room air being at isothermal conditions.
6. The NC values, sound pressure level, are based on a room absorption of 10 dB re 10⁻¹² watts and one diffuser.
7. Blanks (---) indicate an NC level below 15 dB.