

MODEL: AM3
 MODULAR CORE DIFFUSER WITH PANEL
 T-BAR, SQUARE NECK

NOMINAL NECK SIZE	NECK VELOCITY, FPM	200	300	400	500	600	700	800
	VP	.002	.006	.010	.016	.022	.031	.040
	TP	.013	.040	.066	.106	.145	.205	.264
	FLOW RATE, CFM	50	75	100	125	150	175	200
6" X 6"	4-WAY	1-1-6	1-3-7	2-6-8	4-6-9	6-7-10	6-7-10	6-8-11
	3-WAY	1-2-8	2-4-10	3-8-11	5-9-12	8-10-14	8-10-15	9-11-16
	2-WAY	1-2-8	2-4-10	3-8-11	5-9-12	8-10-14	8-10-15	9-11-16
	1-WAY	1-3-11	3-6-14	5-11-16	8-12-18	11-14-19	12-15-21	13-16-22
	NC	-	-	15	21	26	30	33
	FLOW RATE, CFM	89	133	178	222	266	311	355
8" X 8"	4-WAY	1-2-7	2-5-9	4-7-10	6-8-12	7-9-13	8-10-14	9-10-15
	3-WAY	1-3-10	3-7-13	5-10-15	8-12-16	10-13-18	11-14-19	12-15-21
	2-WAY	1-3-10	3-7-13	5-10-15	8-12-16	10-13-18	11-14-19	12-15-21
	1-WAY	2-4-15	4-10-18	8-15-21	12-17-23	15-18-26	16-20-28	17-21-30
	NC	-	-	-	17	23	28	33
	FLOW RATE, CFM	112	168	224	280	336	392	448
10" X 10"	4-WAY	1-2-7	2-5-10	4-7-12	6-9-13	7-10-14	9-11-16	10-12-17
	3-WAY	1-3-10	3-6-14	5-10-16	8-13-18	10-14-20	12-15-22	13-16-23
	2-WAY	1-3-10	3-6-14	5-10-16	8-13-18	10-14-20	12-15-22	13-16-23
	1-WAY	2-4-15	4-9-20	7-15-23	11-18-26	15-20-29	17-22-31	19-23-33
	NC	-	-	-	19	25	30	35
	FLOW RATE, CFM	200	300	400	500	600	700	800
12" X 12"	4-WAY	2-4-11	4-8-14	7-11-16	9-12-18	11-14-19	12-15-21	13-16-22
	3-WAY	3-6-15	6-11-19	10-15-22	13-17-25	15-19-27	17-21-29	18-22-31
	2-WAY	3-6-15	6-11-19	10-15-22	13-17-25	15-19-27	17-21-29	18-22-31
	1-WAY	4-8-22	8-16-27	14-22-31	18-25-35	22-27-38	24-29-42	26-31-44
	NC	-	-	15	23	29	34	39
	FLOW RATE, CFM	272	408	544	680	816	952	1088
14" X 14"	4-WAY	2-5-13	5-9-16	8-13-18	10-14-20	13-16-22	14-17-24	15-18-26
	3-WAY	3-7-18	7-13-22	12-18-26	15-20-29	18-22-31	20-24-34	21-26-36
	2-WAY	3-7-18	7-13-22	12-18-26	15-20-29	18-22-31	20-24-34	21-26-36
	1-WAY	5-11-25	11-19-32	17-25-37	21-29-41	25-32-45	23-34-48	30-37-52
	NC	-	-	17	25	31	36	41
	FLOW RATE, CFM	355	533	710	888	1066	1243	1421
16" X 16"	4-WAY	3-7-14	7-11-18	10-14-21	12-17-23	14-18-26	16-20-28	17-21-30
	3-WAY	4-9-20	9-15-25	13-20-29	17-23-33	20-25-36	22-27-39	24-29-41
	2-WAY	4-9-20	9-15-25	13-20-29	17-23-33	20-25-36	22-27-39	24-29-41
	1-WAY	6-13-29	13-21-36	19-29-42	24-33-47	29-36-51	32-39-55	34-42-59
	NC	-	-	19	27	33	38	43
	FLOW RATE, CFM	450	676	901	1126	1351	1576	1802
18" X 18"	4-WAY	3-8-16	8-12-20	11-16-24	13-19-26	16-20-29	18-22-31	19-24-33
	3-WAY	5-11-20	11-17-29	15-22-33	19-26-37	22-29-40	25-31-44	27-33-47
	2-WAY	5-11-20	11-17-29	15-22-33	19-26-37	22-29-40	25-31-44	27-33-47
	1-WAY	7-16-32	16-24-41	21-32-47	27-37-53	32-41-58	36-44-6	38-47-67
	NC	-	-	21	28	35	40	44
	FLOW RATE, CFM	555	833	1110	1388	1666	1943	2221
20" X 20"	4-WAY	4-9-18	9-13-23	12-18-26	15-21-29	18-23-32	20-24-35	21-26-37
	3-WAY	6-12-25	12-19-32	16-25-37	21-29-41	25-32-45	28-34-48	30-37-52
	2-WAY	6-12-25	12-19-32	16-25-37	21-29-41	25-32-45	28-34-48	30-37-52
	1-WAY	8-18-35	18-26-45	24-35-52	29-41-58	35-45-64	40-49-67	43-52-74
	NC	-	-	22	30	36	41	46

FORMERLY MODEL MAC-EP

CFM Cubic feet per minute
FPM Feet per minute velocity
TP Total pressure - inches w.g.
VP Velocity pressure - inches w.g.
T Throw in feet
NC Noise criteria (values) based on 10 dB room absorption, re 10 (to 12th power) watts.

Performance notes:

- All pressures are in inches of water.
- The NC values, sound pressure level, are based on a room absorption of 10 dB re 10⁻¹² watts.
- Air flow is in cubic feet per minute, cfm.
- Throw values are given in feet to terminal velocities of 150 fpm (min.), 100 fpm (middle) and 50 fpm (max.).
- Throw data is based on supply air and room air being at isothermal conditions.
- Testes in accordance with ASHRAE Standard 70-1991 "Method of testing for Rating the Performance of Air Outlets and Inlets."

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NOMINAL NECK SIZE	NECK VELOCITY, FPM	200	300	400	500	600	700	800
	VP	.002	.006	.010	.016	.022	.031	.040
	TP	.013	.040	.066	.106	.145	.205	.264
	FLOW RATE, CFM	672	1008	1344	1680	2016	2352	2688
22" X 22"	4-WAY	4-10-19	10-15-25	13-19-29	16-23-32	18-25-35	22-27-38	23-29-41
	3-WAY	6-14-27	14-20-35	18-27-40	23-32-45	27-35-49	31-38-53	33-40-57
	2-WAY	6-14-27	14-20-35	18-27-40	23-32-45	27-35-49	31-38-53	33-40-57
	1-WAY	9-19-39	19-29-50	26-39-58	32-45-64	39-50-70	44-54-76	47-58-81
	NC	-	-	24	31	37	42	47
	FLOW RATE, CFM	800	1200	1600	2000	2400	2800	3200
24" X 24"	4-WAY	5-11-21	11-16-27	14-21-31	18-25-35	21-27-38	24-29-42	26-31-44
	3-WAY	8-15-29	15-22-38	20-29-44	25-35-49	29-38-54	34-41-58	36-44-62
	2-WAY	8-15-29	15-22-38	20-29-44	25-35-49	29-38-54	34-41-58	36-44-62
	1-WAY	11-21-42	21-32-54	28-42-63	35-50-70	42-54-77	48-59-83	51-63-89
	NC	-	15	25	32	39	44	48

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