

**MODELS: AM1, AM6
 MODULAR CORE CEILING DIFFUSER
 SURFACE MOUNT, SQUARE NECK**

NOMINAL NECK SIZE	Neck Velocity, FPM	200	300	400	500	600	700	800	900	1000
	VP	.003	.006	.010	.016	.022	.031	.040	.051	.062
	TP	.015	.032	.058	.090	.130	.177	.231	.293	.362
	Flow Rate, CFM	80	120	160	225	300	390	500	630	800
6 X 6	4-Way	1-1-1	1-1-2	1-2-3	1-2-3	1-2-4	2-3-4	2-3-54	2-3-5	2-3-5
	3-Way	1-1-3	1-2-4	2-3-5	2-4-6	3-4-7	3-5-7	4-5-8	4-6-8	5-6-9
	2-Way	1-1-3	1-2-4	2-3-5	2-4-6	3-4-7	3-5-7	4-5-8	4-6-8	5-6-9
	1-Way	1-2-4	2-3-7	3-4-8	3-5-9	4-7-9	5-7-10	6-8-11	7-8-12	7-9-12
	NC			11	17	22	26	29	32	35
	Flow Rate, CFM	80	133	177	222	266	310	355	399	444
8 X 8	4-Way	1-2-4	2-3-6	2-4-8	3-5-9	4-6-10	4-7-11	5-8-11	6-8-12	6-9-13
	3-Way	2-3-7	3-5-11	5-7-13	6-9-14	7-11-15	8-12-17	10-13-18	11-14-19	12-14-20
	2-Way	2-3-7	3-5-11	5-7-13	6-9-14	7-11-15	8-12-17	10-13-18	11-14-19	12-14-20
	1-Way	3-5-11	5-8-15	7-11-18	9-13-20	11-15-22	12-16-24	14-18-26	15-19-27	16-20-29
	NC			14	20	25	29	32	35	38
	Flow Rate, CFM	138	208	277	347	416	485	555	624	694
10 X 10	4-Way	2-3-7	3-5-9	4-7-10	6-8-11	7-9-12	8-9-14	8-10-14	9-11-14	9-11-17
	3-Way	4-6-12	6-10-14	9-12-16	11-13-18	12-14-20	13-15-22	14-20-23	14-19-25	14-20-26
	2-Way	4-6-12	6-10-14	9-12-16	11-13-18	12-14-20	13-15-22	14-20-23	14-19-25	14-18-26
	1-Way	6-9-16	9-14-20	13-18-23	14-18-26	16-20-28	17-23-31	18-23-33	20-24-35	21-26-37
	NC		13	20	22	27	31	34	37	40
	Flow Rate, CFM	200	300	400	500	600	700	800	900	1000
12 X 12	4-Way	2-4-8	4-6-11	5-8-12	7-10-14	8-11-14	9-11-15	10-12-17	11-13-18	11-14-19
	3-Way	5-8-14	8-12-17	10-14-20	13-15-22	14-17-24	15-18-26	16-20-28	17-21-30	18-22-32
	2-Way	5-8-14	8-12-17	10-14-20	13-15-22	14-17-24	15-18-26	16-20-28	17-21-30	18-22-32
	1-Way	7-11-19	11-16-24	14-19-28	17-22-31	19-24-34	21-25-37	22-28-40	24-30-42	23-31-45
	NC		16	23	25	30	34	37	40	43
	Flow Rate, CFM	272	408	544	680	816	952	1088	1224	1361
14 X 14	4-Way	3-5-10	5-7-12	6-10-14	8-11-15	10-12-19	11-13-18	12-14-19	12-14-21	13-15-22
	3-Way	6-9-16	9-14-20	12-16-23	14-18-26	16-20-29	17-21-31	19-23-33	20-25-35	21-26-37
	2-Way	6-9-16	9-14-20	12-16-23	14-18-26	16-20-29	17-21-31	19-23-33	20-25-35	21-26-37
	1-Way	9-13-23	13-25-38	17-23-33	21-25-37	23-28-40	25-30-44	26-33-47	28-35-49	30-37-51
	NC		18	25	27	32	36	39	42	45
	Flow Rate, CFM	355	533	711	889	1066	1244	1422	1600	1778
16 X 16	4-Way	3-5-11	5-8-14	7-11-15	9-13-17	11-14-19	12-14-21	13-15-23	14-17-24	14-17-25
	3-Way	7-10-18	10-15-23	14-18-27	17-21-30	18-23-33	20-25-36	21-27-38	23-28-41	24-30-43
	2-Way	7-10-18	10-15-23	14-18-27	17-21-30	18-23-33	20-25-36	21-27-38	23-28-41	24-31-43
	1-Way	10-14-26	14-22-32	20-26-38	24-29-42	26-32-46	28-35-49	30-38-53	32-40-55	34-42-59
	NC		20	27	29	34	38	41	44	47

Neck Size Square in Inches	Ak Factor
6 x 6	0.1134
8 x 8	0.1932
9 x 9	0.2551
10 x 10	0.3024
12 x 12	0.4526
14 x 14	0.5883
15 x 15	0.6804
16 x 16	0.7728

FORMERLY MODELS MAC-F, MAC-S

CFM Cubic feet per minute
FPM Feet per minute velocity
TP Total 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:
 1. Throws are given at 150, 100 and 50 fpm terminal velocities under isothermal conditions
 2. Data derived from tests conducted in accordance with ISO Standard 5219, ISO Standard 3741 and ADC Test Code 1062 GRD84.

PERFORMANCE DATA
**MODELS: AM1, AM6
 MODULAR CORE CEILING DIFFUSER
 SURFACE MOUNT, SQUARE NECK**

NOMINAL NECK SIZE	Neck Velocity, FPM	200	300	400	500	600	700	800	900	1000
	VP	.003	.006	.010	.016	.022	.031	.040	.051	.062
	TP	.015	.032	.058	.090	.130	.177	.231	.293	.362
	Flow Rate, CFM	450	675	900	1125	1350	1575	1800	2025	2250
18 X 18	4-Way	4-6-13	6-10-15	8-13-18	11-14-20	13-15-22	14-18-24	14-18-28	15-19-27	16-20-29
	3-Way	8-12-21	12-17-26	15-21-30	19-23-34	21-26-37	23-28-40	24-30-43	26-32-46	27-34-48
	2-Way	8-12-21	12-17-26	15-21-30	19-23-34	21-26-37	23-28-40	24-30-43	26-32-46	27-34-48
	1-Way	11-16-30	16-25-37	22-30-42	27-33-48	30-37-51	32-40-56	34-42-60	36-45-63	39-48-67
	NC		22	28	30	35	39	42	45	48
	Flow Rate, CFM	555	833	1111	1388	1666	1944	2222	2500	2777
20 X 20	4-Way	4-7-14	7-11-17	9-14-20	12-15-22	14-17-24	15-18-27	16-20-29	17-21-30	18-22-32
	3-Way	9-13-23	13-19-29	17-23-34	21-26-38	23-29-41	23-31-45	27-34-48	29-35-50	30-36-53
	2-Way	9-13-23	13-19-29	17-23-34	21-26-38	23-29-41	23-31-45	27-34-48	29-35-50	30-36-53
	1-Way	13-18-33	18-28-43	25-33-47	30-38-52	33-41-57	36-44-62	38-47-67	41-49-70	43-52-75
	NC		11	24	30	32	37	41	44	47
	Flow Rate, CFM	672	1008	1344	1680	2016	2352	2688	3024	3361
22 X 22	4-Way	5-8-15	8-12-19	10-15-22	13-17-25	15-19-27	16-20-29	18-22-31	19-23-34	20-25-35
	3-Way	10-14-26	14-21-32	19-26-37	23-49-42	26-32-46	28-35-48	30-37-52	32-39-55	34-41-58
	2-Way	10-14-26	14-21-32	19-26-37	23-49-42	26-32-46	28-35-48	30-37-52	32-39-55	34-41-58
	1-Way	14-20-36	20-31-45	28-38-51	33-41-58	36-45-63	39-48-68	41-51-73	45-54-78	47-58-81
	NC		13	26	32	34	38	43	46	49
	Flow Rate, CFM	800	1200	1600	2000	2400	2800	3200	3600	4000
24 X 24	4-Way	5-8-16	8-13-21	11-16-24	14-19-27	16-21-30	18-22-32	19-24-35	21-25-37	22-27-39
	3-Way	10-15-28	15-23-35	20-28-41	26-32-45	28-35-49	31-38-53	33-41-57	35-43-61	37-45-64
	2-Way	10-15-28	15-23-35	20-28-41	26-32-45	28-35-49	31-38-53	33-41-57	35-43-61	37-45-64
	1-Way	1-22-40	22-34-48	30-40-56	36-45-63	40-48-68	43-52-75	45-56-79	48-60-84	51-63-89
	NC		15	28	34	36	41	45	48	51

Neck Size Square in Inches	Ak Factor
18 x 18	0.8541
20 x 20	1.2096
22 x 22	1.4636
24 x 24	1.7304

FORMERLY MODELS MAC-F, MAC-S

CFM Cubic feet per minute
FPM Feet per minute velocity
TP Total 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:
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