

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
	<b>Flow Rate, CFM</b>	<b>50</b>	<b>75</b>	<b>100</b>	<b>125</b>	<b>150</b>	<b>175</b>	<b>200</b>	<b>225</b>	<b>250</b>
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
	<b>NC</b>			11	17	22	26	29	32	35
	<b>Flow Rate, CFM</b>	<b>88</b>	<b>133</b>	<b>177</b>	<b>222</b>	<b>266</b>	<b>310</b>	<b>355</b>	<b>399</b>	<b>444</b>
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
	<b>NC</b>			14	20	25	29	32	35	38
	<b>Flow Rate, CFM</b>	<b>138</b>	<b>208</b>	<b>277</b>	<b>347</b>	<b>416</b>	<b>485</b>	<b>555</b>	<b>624</b>	<b>694</b>
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	14-26-23	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	14-26-23	14-19-25	14-18-26
	1-Way	6-9-16	9-14-20	13-16-23	14-18-26	16-20-28	17-23-31	18-23-33	20-24-35	21-26-37
	<b>NC</b>		13	20	22	27	31	34	37	40
	<b>Flow Rate, CFM</b>	<b>200</b>	<b>300</b>	<b>400</b>	<b>500</b>	<b>600</b>	<b>700</b>	<b>800</b>	<b>900</b>	<b>1000</b>
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	21-26-37	22-28-40	24-30-42	23-31-45
	<b>NC</b>		16	23	25	30	34	37	40	43
	<b>Flow Rate, CFM</b>	<b>272</b>	<b>408</b>	<b>544</b>	<b>680</b>	<b>816</b>	<b>952</b>	<b>1088</b>	<b>1224</b>	<b>1361</b>
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	13-29-28	17-23-33	21-25-37	23-28-40	25-30-44	26-33-47	28-35-49	30-37-51
	<b>NC</b>		18	25	27	32	36	39	42	45
	<b>Flow Rate, CFM</b>	<b>355</b>	<b>533</b>	<b>711</b>	<b>889</b>	<b>1066</b>	<b>1244</b>	<b>1422</b>	<b>1600</b>	<b>1778</b>
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	32-40-56	34-42-59
			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.

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
	<b>Flow Rate, CFM</b>	<b>450</b>	<b>675</b>	<b>900</b>	<b>1125</b>	<b>1350</b>	<b>1575</b>	<b>1800</b>	<b>2025</b>	<b>2250</b>
18 X 18	4-Way	4-6-13	6-10-15	8-13-18	11-14-20	13-15-22	14-16-24	14-18-26	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
	<b>NC</b>		22	28	30	35	39	42	45	48
	<b>Flow Rate, CFM</b>	<b>555</b>	<b>833</b>	<b>1111</b>	<b>1388</b>	<b>1666</b>	<b>1944</b>	<b>2222</b>	<b>2500</b>	<b>2777</b>
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	29-36-50	30-38-53
	2-Way	9-13-23	13-19-29	17-23-34	21-26-38	23-29-41	23-31-45	27-34-48	29-36-50	30-38-53
	1-Way	13-18-33	18-28-43	25-33-47	30-387-52	33-41-57	36-44-62	38-47-67	41-49-70	43-52-75
	<b>NC</b>	11	24	30	32	37	41	44	47	50
	<b>Flow Rate, CFM</b>	<b>672</b>	<b>1008</b>	<b>1344</b>	<b>1680</b>	<b>2016</b>	<b>2352</b>	<b>2688</b>	<b>3024</b>	<b>3361</b>
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	28-36-51	33-41-58	36-45-63	39-46-68	41-51-73	45-54-78	47-58-81
	<b>NC</b>	13	26	32	34	39	43	46	49	52
	<b>Flow Rate, CFM</b>	<b>800</b>	<b>1200</b>	<b>1600</b>	<b>2000</b>	<b>2400</b>	<b>2800</b>	<b>3200</b>	<b>3600</b>	<b>4000</b>
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	21-26-37	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	40-48-69	43-52-75	45-56-79	48-60-84	51-63-89
	<b>NC</b>	15	28	34	36	41	45	48	51	54

Neck Size Square in Inches	Ak Factor
18 x 18	0.9541
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:**

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.