

PERFORMANCE DATA:

Models 4325, 4325A, 4325AA • Drop Face • 12 x 12 (300 x 300) Module Size

Nominal Neck Size	Neck Velocity, FPM	300	400	500	600	700	800	1000	1200
	Velocity Pressure	.006	.010	.016	.023	.031	.040	.063	.090
6" Dia.	Total Pressure	.009	.016	.025	.036	.049	.063	.099	.143
	Flow Rate, CFM	58	78	98	117	137	156	196	235
	Throw	4-Way	1-1-1	1-1-2	1-1-3	1-1-3	1-2-4	1-2-4	2-3-6
		3-Way	1-1-2	1-1-3	1-2-4	1-2-5	1-3-6	2-3-7	3-4-9
		2-Way	1-1-3	1-1-4	1-2-5	1-3-6	2-3-7	2-4-8	3-5-11
		1-Way	1-1-4	1-2-6	1-3-7	2-4-9	3-5-10	4-6-12	5-7-15
	Noise Criteria	—	—	—	16	21	25	32	38
8" Dia.	Total Pressure	.010	.017	.026	.037	.051	.067	.104	.150
	Flow Rate, CFM	105	140	175	210	245	280	350	420
	Throw	4-Way	1-1-1	1-1-1	1-1-3	1-1-4	1-1-4	1-1-5	1-3-6
		3-Way	1-1-2	1-1-4	1-1-5	1-2-6	1-3-7	1-4-8	2-5-11
		2-Way	1-1-3	1-1-6	1-2-7	1-3-9	2-4-10	2-6-12	4-7-15
		1-Way	1-1-4	1-2-7	1-3-9	2-4-11	2-6-13	3-7-14	6-9-17
	Noise Criteria	—	—	14	20	25	29	36	42
6 x 6	Total Pressure	.010	.019	.028	.041	.056	.072	.113	.163
	Flow Rate, CFM	75	100	125	150	175	200	250	300
	Throw	4-Way	1-1-2	1-1-3	1-1-3	1-2-4	1-2-5	2-3-6	2-3-7
		3-Way	1-1-3	1-1-4	1-2-5	1-3-6	2-4-8	3-4-9	3-5-10
		2-Way	1-1-4	1-2-5	1-3-7	2-4-8	3-4-9	3-5-11	4-7-13
		1-Way	1-1-5	1-3-7	2-4-9	3-5-11	4-6-13	5-7-15	6-9-17
	Noise Criteria	—	—	13	19	24	28	35	41
8 x 8	Total Pressure	.012	.021	.032	.046	.063	.082	.128	.185
	Flow Rate, CFM	135	175	220	265	310	355	440	530
	Throw	4-Way	1-1-1	1-1-2	1-1-3	1-1-4	1-1-5	1-2-6	1-3-8
		3-Way	1-1-3	1-1-5	1-2-6	1-3-8	1-4-9	2-5-10	3-6-13
		2-Way	1-1-4	1-2-7	1-3-9	2-4-10	2-6-12	3-7-14	5-9-18
		1-Way	1-1-6	1-2-8	2-4-11	2-6-13	3-7-15	5-8-17	7-11-20
	Noise Criteria	—	10	17	23	28	32	39	45

Models 4325, 4325A, 4325AA • Drop Face • 24 x 12 (600 x 300) Module Size

Nominal Neck Size	Neck Velocity, FPM	300	400	500	600	700	800	1000	1200
	Velocity Pressure	.006	.010	.016	.023	.031	.040	.063	.090
6" Dia.	Total Pressure	.009	.016	.025	.036	.049	.063	.099	.143
	Flow Rate, CFM	58	78	98	117	137	156	196	235
	Throw	4-Way	1-1-1	1-1-2	1-1-3	1-1-3	1-2-4	1-2-4	2-3-6
		3-Way	1-1-2	1-1-3	1-2-4	1-2-5	1-3-6	2-3-7	3-4-9
		2-Way	1-1-3	1-1-4	1-2-5	1-3-6	2-3-7	2-4-8	3-5-11
		1-Way	1-1-4	1-2-6	1-3-7	2-4-9	3-5-10	4-6-12	5-7-15
	Noise Criteria	—	—	—	16	21	25	32	38
8" Dia.	Total Pressure	.010	.017	.026	.037	.051	.067	.104	.150
	Flow Rate, CFM	105	140	175	210	245	280	350	420
	Throw	4-Way	1-1-1	1-1-1	1-1-3	1-1-4	1-1-4	1-1-5	1-3-6
		3-Way	1-1-2	1-1-4	1-1-5	1-2-6	1-3-7	1-4-8	2-5-11
		2-Way	1-1-3	1-1-6	1-2-7	1-3-9	2-4-10	2-6-12	4-7-15
		1-Way	1-1-4	1-2-7	1-3-9	2-4-11	2-6-13	3-7-14	6-9-17
	Noise Criteria	—	—	14	20	25	29	36	42
6 x 6	Total Pressure	.013	.022	.036	.052	.074	.092	.143	.206
	Flow Rate, CFM	75	100	125	150	175	200	250	300
	Throw	4-Way	1-1-1	1-1-2	1-1-3	1-1-4	1-1-5	1-2-6	1-3-8
		3-Way	1-1-3	1-1-5	1-2-6	1-3-8	1-4-9	2-5-10	3-6-13
		2-Way	1-1-4	1-2-7	1-3-9	2-4-10	2-6-12	3-7-14	5-9-18
		1-Way	1-1-6	1-2-8	2-4-11	2-6-13	3-7-15	5-8-17	7-11-20
	Noise Criteria	—	—	13	19	24	28	35	41
8 x 8	Total Pressure	.012	.021	.032	.046	.063	.082	.128	.185
	Flow Rate, CFM	135	175	220	265	310	355	440	530
	Throw	4-Way	1-1-1	1-1-2	1-1-3	1-1-4	1-1-5	1-2-6	1-3-8
		3-Way	1-1-3	1-1-5	1-2-6	1-3-8	1-4-9	2-5-10	3-6-13
		2-Way	1-1-4	1-2-7	1-3-9	2-4-10	2-6-12	3-7-14	5-9-18
		1-Way	1-1-6	1-2-8	2-4-11	2-6-13	3-7-15	5-8-17	7-11-20
	Noise Criteria	—	10	17	23	28	32	39	45

For performance notes, see page D163.

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CEILING DIFFUSERS

PERFORMANCE DATA:

Models 4325, 4325A, 4325AA • Drop Face • 24 x 24 (600 x 600) Module Size • Round Neck

Nominal Neck Size	Neck Velocity, FPM	300	400	500	600	700	800	1000	1200
	Velocity Pressure	.006	.010	.016	.023	.031	.040	.063	.090
6" Dia.	Total Pressure	.009	.016	.025	.036	.049	.063	.099	.143
	Flow Rate, CFM	58	78	98	117	137	156	196	235
	Throw	4-Way	1-1-1	1-1-2	1-1-3	1-1-3	1-2-4	1-2-4	2-3-6
		3-Way	1-1-2	1-1-3	1-2-4	1-2-5	1-3-6	2-3-7	3-4-9
		2-Way	1-1-3	1-1-4	1-2-5	1-3-6	2-3-7	2-4-8	3-5-11
		1-Way	1-1-4	1-2-6	1-3-7	2-4-9	3-5-10	4-6-12	6-9-16
	Noise Criteria	—	—	—	15	18	22	29	35
8" Dia.	Total Pressure	.013	.021	.034	.049	.066	.087	.136	.195
	Flow Rate, CFM	104	139	174	209	244	279	349	418
	Throw	4-Way	1-1-3	1-1-4	1-2-5	1-3-6	2-3-7	2-4-8	3-5-8
		3-Way	1-1-4	1-2-6	2-3-7	2-4-9	3-5-11	4-6-12	5-7-13
		2-Way	1-2-5	1-3-7	2-4-9	3-5-11	4-6-13	5-7-15	6-9-16
		1-Way	1-2-7	2-4-10	3-6-12	4-7-15	6-9-18	8-12-21	10-15-23
	Noise Criteria	—	—	13	18	24	28	35	41
10" Dia.	Total Pressure	.016	.027	.043	.061	.084	.109	.171	.245
	Flow Rate, CFM	163	218	272	327	381	436	545	654
	Throw	4-Way	1-1-4	1-3-6	2-3-7	3-4-9	3-5-10	4-6-10	5-7-12
		3-Way	1-2-7	2-4-9	3-6-12	4-7-14	5-8-15	6-9-16	8-12-18
		2-Way	1-3-8	2-5-11	4-7-14	5-8-17	6-10-19	7-11-20	9-14-22
		1-Way	2-4-11	3-7-15	6-9-19	7-11-23	9-13-26	10-15-28	13-19-31
	Noise Criteria	—	13	18	24	29	33	40	46
12" Dia.	Total Pressure	.019	.033	.052	.074	.101	.132	.207	.297
	Flow Rate, CFM	235	314	392	471	549	628	785	942
	Throw	4-Way	1-3-6	2-4-9	3-5-11	4-6-12	5-7-13	6-9-14	7-11-15
		3-Way	2-4-10	3-6-13	5-8-16	6-10-18	7-11-19	9-13-20	11-16-23
		2-Way	2-5-12	4-8-16	6-10-20	8-12-22	9-14-24	11-16-22	13-20-30
		1-Way	3-7-16	6-11-22	9-14-28	11-16-30	13-19-33	14-22-35	18-28-39
	Noise Criteria	—	17	23	29	34	38	45	51
14" Dia.	Total Pressure	.021	.038	.059	.086	.117	.153	.239	.344
	Flow Rate, CFM	318	424	530	636	742	848	1060	1272
	Throw	4-Way	2-4-8	3-5-11	4-7-13	5-8-14	6-10-16	7-11-17	9-13-19
		3-Way	3-6-13	5-9-18	7-11-20	9-13-22	10-15-24	12-18-26	15-20-29
		2-Way	3-8-16	6-11-22	9-13-26	11-16-28	12-19-31	14-22-33	18-27-36
		1-Way	5-11-22	9-14-30	12-18-35	14-22-38	17-27-41	19-30-44	24-35-49
	Noise Criteria	10	20	28	32	37	41	48	54
15" Dia.	Total Pressure	.022	.040	.062	.091	.127	.171	.265	.366
	Flow Rate, CFM	370	490	615	740	860	985	1225	1475
	Throw	4-Way	2-4-7	3-5-10	4-7-12	5-8-14	6-9-15	7-10-17	9-12-19
		3-Way	3-6-13	5-9-19	7-10-19	9-12-22	10-15-23	12-18-26	14-19-29
		2-Way	3-8-15	6-11-21	8-12-26	11-15-28	11-19-30	13-21-32	18-27-35
		1-Way	5-10-21	8-14-29	11-17-34	13-21-36	17-26-40	18-29-42	24-34-47
	Noise Criteria	12	22	28	34	39	43	50	56
16" Dia.	Total Pressure	.025	.045	.070	.100	.137	.179	.280	.403
	Flow Rate, CFM	418	558	698	837	977	1116	1396	1675
	Throw	4-Way	3-5-11	5-7-15	6-9-17	7-11-18	8-13-20	10-15-21	12-17-24
		3-Way	2-6-13	4-9-17	7-11-19	9-13-21	10-16-22	12-17-24	15-19-28
		2-Way	2-6-13	4-9-17	7-11-19	9-13-21	10-16-22	12-17-24	15-19-28
		1-Way	7-12-23	12-17-27	15-21-31	18-23-34	20-26-36	22-27-39	24-31-43
	Noise Criteria	13	23	29	35	40	44	51	57

For performance notes, see page D163.

PERFORMANCE DATA:

Models 4325, 4325A, 4325AA • Drop Face • 24 x 24 (600 x 600) Module Size • Square Neck

Nominal Neck Size	Neck Velocity, FPM	300	400	500	600	700	800	1000	1200
	Velocity Pressure	.006	.010	.016	.023	.031	.040	.063	.090
6 x 6	Total Pressure	.010	.019	.028	.041	.056	.072	.113	.163
	Flow Rate, CFM	75	100	125	150	175	200	250	300
	Throw	4-Way	1-1-2	1-1-3	1-1-3	1-2-4	1-2-5	2-3-6	2-3-7
		3-Way	1-1-3	1-1-4	1-2-5	1-3-6	2-4-8	3-4-9	3-5-10
		2-Way	1-1-4	1-2-5	1-3-7	2-4-8	3-4-9	3-5-11	4-7-13
		1-Way	1-1-5	1-3-7	2-4-9	3-5-11	4-6-13	5-7-15	6-9-17
	Noise Criteria	—	—	—	17	20	24	31	37
8 x 8	Total Pressure	.014	.024	.038	.056	.075	.098	.153	.220
	Flow Rate, CFM	133	177	222	266	310	355	444	532
	Throw	4-Way	1-1-3	1-2-5	1-3-6	2-3-7	3-4-8	3-5-9	4-6-10
		3-Way	1-2-5	1-3-7	2-4-9	3-5-11	4-6-13	5-7-14	6-9-15
		2-Way	1-2-7	2-4-9	3-6-12	4-7-14	5-8-16	6-9-17	8-12-19
		1-Way	1-3-9	3-6-13	4-8-16	6-9-19	7-11-21	8-13-23	10-16-27
	Noise Criteria	—	11	16	22	27	31	38	44
10 x 10	Total Pressure	.018	.031	.049	.069	.095	.124	.193	.278
	Flow Rate, CFM	208	277	347	416	485	555	694	832
	Throw	4-Way	1-2-5	2-3-7	3-4-9	3-5-11	4-6-12	5-7-12	6-9-14
		3-Way	1-4-8	3-5-11	4-7-14	5-8-16	6-10-18	7-11-19	9-14-21
		2-Way	2-5-11	4-7-14	6-9-18	7-11-20	8-13-22	9-14-24	12-18-28
		1-Way	3-6-14	5-9-19	8-12-24	9-14-28	11-17-30	13-19-32	16-24-36
	Noise Criteria	—	14	21	27	32	36	42	49
12 x 12	Total Pressure	.02	.037	.058	.084	.114	.149	.233	.335
	Flow Rate, CFM	300	400	500	600	700	800	1000	1200
	Throw	4-Way	1-4-8	3-5-11	4-7-13	5-8-14	6-9-15	7-11-16	9-13-18
		3-Way	2-6-12	5-8-17	7-10-19	8-12-21	10-15-23	11-17-24	14-19-28
		2-Way	3-7-15	6-10-21	8-13-24	10-15-27	12-18-29	14-21-32	17-24-35
		1-Way	4-10-21	8-14-29	11-17-33	14-21-36	16-24-39	18-29-42	23-33-46
	Noise Criteria	—	18	25	31	36	40	46	53
14 x 14	Total Pressure	.025	.046	.071	.103	.140	.183	.286	.411
	Flow Rate, CFM	408	544	681	817	953	1089	1361	1633
	Throw	4-Way	1-1-6	1-3-8	2-4-11	3-6-13	4-7-15	5-8-17	7-11-22
		3-Way	1-3-10	2-6-14	4-9-18	6-10-21	8-12-26	9-14-29	11-18-37
		2-Way	2-5-14	4-9-19	7-12-24	9-14-30	11-17-35	13-19-40	16-24-47
		1-Way	3-8-17	6-11-23	9-14-30	11-17-36	13-20-42	15-23-48	19-30-54
	Noise Criteria	12	21	28	34	39	43	49	56

Performance Notes:

1. All pressures are in inches w.g..
2. Throws are given at 150, 100 and 50 fpm terminal velocities under isothermal conditions.
3. Noise Criteria (NC) values are based upon 10 dB room absorption, re 10⁻¹² watts. Dash (—) in space indicates an Noise Criteria of less than 10.

4. Data derived from tests conducted in accordance with ANSI/ASHRAE Standard 70 – 2023.

Balancing:

It is recommended that a commercially available 'Flow Hood' is used for field balancing. The airflow meter directly reads average flow rate with great accuracy at all volumes. It is a much faster and more accurate alternative to time consuming multiple velocity readings, eliminating the use of Ak factors and the calculations required to convert the average velocity into airflow.