

## 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	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	3-5-9
		2-Way	1-1-3	1-1-4	1-2-5	1-3-6	2-3-7	2-4-8	3-5-11	4-6-12
1-Way		1-1-4	1-2-6	1-3-7	2-4-9	3-5-10	4-6-12	5-7-15	6-9-16	
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	1-4-8
		3-Way	1-1-2	1-1-4	1-1-5	1-2-6	1-3-7	1-4-8	2-5-11	4-6-13
		2-Way	1-1-3	1-1-6	1-2-7	1-3-9	2-4-10	2-6-12	4-7-15	6-9-16
1-Way		1-1-4	1-2-7	1-3-9	2-4-11	2-6-13	3-7-14	6-9-17	7-11-19	
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	3-4-7
		3-Way	1-1-3	1-1-4	1-2-5	1-3-6	2-4-8	3-4-9	3-5-10	4-6-11
		2-Way	1-1-4	1-2-5	1-3-7	2-4-8	3-4-9	3-5-11	4-7-13	5-8-14
1-Way		1-1-5	1-3-7	2-4-9	3-5-11	4-6-13	5-7-15	6-9-17	7-11-19	
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	2-4-9
		3-Way	1-1-3	1-1-5	1-2-6	1-3-8	1-4-9	2-5-10	3-6-13	5-8-16
		2-Way	1-1-4	1-2-7	1-3-9	2-4-10	2-6-12	3-7-14	5-9-18	7-10-19
1-Way		1-1-6	1-2-8	2-4-11	2-6-13	3-7-15	5-8-17	7-11-20	8-13-22	
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	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	3-5-9
		2-Way	1-1-3	1-1-4	1-2-5	1-3-6	2-3-7	2-4-8	3-5-11	4-6-12
1-Way		1-1-4	1-2-6	1-3-7	2-4-9	3-5-10	4-6-12	5-7-15	6-9-16	
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	1-4-8
		3-Way	1-1-2	1-1-4	1-1-5	1-2-6	1-3-7	1-4-8	2-5-11	4-6-13
		2-Way	1-1-3	1-1-6	1-2-7	1-3-9	2-4-10	2-6-12	4-7-15	6-9-16
1-Way		1-1-4	1-2-7	1-3-9	2-4-11	2-6-13	3-7-14	6-9-17	7-11-19	
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	2-4-9
		3-Way	1-1-3	1-1-5	1-2-6	1-3-8	1-4-9	2-5-10	3-6-13	5-8-16
		2-Way	1-1-4	1-2-7	1-3-9	2-4-10	2-6-12	3-7-14	5-9-18	7-10-19
1-Way		1-1-6	1-2-8	2-4-11	2-6-13	3-7-15	5-8-17	7-11-20	8-13-22	
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	2-4-9
		3-Way	1-1-3	1-1-5	1-2-6	1-3-8	1-4-9	2-5-10	3-6-13	5-8-16
		2-Way	1-1-4	1-2-7	1-3-9	2-4-10	2-6-12	3-7-14	5-9-18	7-10-19
1-Way		1-1-6	1-2-8	2-4-11	2-6-13	3-7-15	5-8-17	7-11-20	8-13-22	
Noise Criteria	—	10	17	23	28	32	39	45		

For performance notes, see page D163.

## 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	<b>58</b>	<b>78</b>	<b>98</b>	<b>117</b>	<b>137</b>	<b>156</b>	<b>196</b>	<b>235</b>	
	Throw	4-Way	1-1-1	1-1-2	1-1-3	1-1-3	1-2-4	1-2-4	2-3-6	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	3-5-9
		2-Way	1-1-3	1-1-4	1-2-5	1-3-6	2-3-7	2-4-8	3-5-11	4-6-12
1-Way		1-1-4	1-2-6	1-3-7	2-4-9	3-5-10	4-6-12	5-7-15	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	<b>104</b>	<b>139</b>	<b>174</b>	<b>209</b>	<b>244</b>	<b>279</b>	<b>349</b>	<b>418</b>	
	Throw	4-Way	1-1-3	1-1-4	1-2-5	1-3-6	2-3-7	2-4-8	3-5-8	4-6-9
		3-Way	1-1-4	1-2-6	2-3-7	2-4-9	3-5-11	4-6-12	5-7-13	6-9-14
		2-Way	1-2-5	1-3-7	2-4-9	3-5-11	4-6-13	5-7-15	6-9-16	7-11-18
1-Way		1-2-7	2-4-10	3-6-12	4-7-15	6-9-18	6-10-19	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	<b>163</b>	<b>218</b>	<b>272</b>	<b>327</b>	<b>381</b>	<b>436</b>	<b>545</b>	<b>654</b>	
	Throw	4-Way	1-1-4	1-3-6	2-3-7	3-4-9	3-5-10	4-6-10	5-7-12	6-9-13
		3-Way	1-2-7	2-4-9	3-6-12	4-7-14	5-8-15	6-9-16	8-12-18	9-14-20
		2-Way	1-3-8	2-5-11	4-7-14	5-8-17	6-10-19	7-11-20	9-14-22	11-17-26
1-Way		2-4-11	3-7-15	6-9-19	7-11-23	9-13-26	10-15-28	13-19-31	15-23-34	
Noise Criteria	—	13	18	24	29	33	40	46		
12" Dia.	Total Pressure	.019	.033	.052	.074	.101	.132	.207	.297	
	Flow Rate, CFM	<b>235</b>	<b>314</b>	<b>392</b>	<b>471</b>	<b>549</b>	<b>628</b>	<b>785</b>	<b>942</b>	
	Throw	4-Way	1-3-6	2-4-9	3-5-11	4-6-12	5-7-13	6-9-14	7-11-15	9-12-17
		3-Way	2-4-10	3-6-13	5-8-16	6-10-18	7-11-19	9-13-20	11-16-23	13-18-26
		2-Way	2-5-12	4-8-16	6-10-20	8-12-22	9-14-24	11-16-22	13-20-30	16-22-33
1-Way		3-7-16	6-11-22	9-14-28	11-16-30	13-19-33	14-22-35	18-28-39	22-30-43	
Noise Criteria	—	17	23	29	34	38	45	51		
14" Dia.	Total Pressure	.021	.038	.059	.086	.117	.153	.239	.344	
	Flow Rate, CFM	<b>318</b>	<b>424</b>	<b>530</b>	<b>636</b>	<b>742</b>	<b>848</b>	<b>1060</b>	<b>1272</b>	
	Throw	4-Way	2-4-8	3-5-11	4-7-13	5-8-14	6-10-16	7-11-17	9-13-19	11-14-21
		3-Way	3-6-13	5-9-18	7-11-20	9-13-22	10-15-24	12-18-26	15-20-29	18-23-32
		2-Way	3-8-16	6-11-22	9-13-26	11-16-28	12-19-31	14-22-33	18-27-36	22-28-40
1-Way		5-11-22	9-14-30	12-18-35	14-22-38	17-27-41	19-30-44	24-35-49	30-38-51	
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	<b>370</b>	<b>490</b>	<b>615</b>	<b>740</b>	<b>860</b>	<b>985</b>	<b>1225</b>	<b>1475</b>	
	Throw	4-Way	2-4-7	3-5-10	4-7-12	5-8-14	6-9-15	7-10-17	9-12-19	10-13-21
		3-Way	3-6-13	5-9-19	7-10-19	9-12-22	10-15-23	12-18-26	14-19-29	18-22-32
		2-Way	3-8-15	6-11-21	8-12-26	11-15-28	11-19-30	13-21-32	18-27-35	21-27-40
1-Way		5-10-21	8-14-29	11-17-34	13-21-36	17-26-40	18-29-42	24-34-47	28-36-50	
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	<b>418</b>	<b>558</b>	<b>698</b>	<b>837</b>	<b>977</b>	<b>1116</b>	<b>1396</b>	<b>1675</b>	
	Throw	4-Way	3-5-11	5-7-15	6-9-17	7-11-18	8-13-20	10-15-21	12-17-24	15-18-27
		3-Way	2-6-13	4-9-17	7-11-19	9-13-21	10-16-22	12-17-24	15-19-28	17-21-30
		2-Way	2-6-13	4-9-17	7-11-19	9-13-21	10-16-22	12-17-24	15-19-28	17-21-30
1-Way		7-12-23	12-17-27	15-21-31	18-23-34	20-26-36	22-27-39	24-31-43	26-34-47	
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	3-4-7
		3-Way	1-1-3	1-1-4	1-2-5	1-3-6	2-4-8	3-4-9	3-5-10	4-6-11
		2-Way	1-1-4	1-2-5	1-3-7	2-4-8	3-4-9	3-5-11	4-7-13	5-8-14
1-Way		1-1-5	1-3-7	2-4-9	3-5-11	4-6-13	5-7-15	6-9-17	7-11-19	
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	5-7-11
		3-Way	1-2-5	1-3-7	2-4-9	3-5-11	4-6-13	5-7-14	6-9-15	7-11-17
		2-Way	1-2-7	2-4-9	3-6-12	4-7-14	5-8-16	6-9-17	8-12-19	9-14-21
1-Way		1-3-9	3-6-13	4-8-16	6-9-19	7-11-21	8-13-23	10-16-27	13-19-29	
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	7-11-15
		3-Way	1-4-8	3-5-11	4-7-14	5-8-16	6-10-18	7-11-19	9-14-21	11-16-23
		2-Way	2-5-11	4-7-14	6-9-18	7-11-20	8-13-22	9-14-24	12-18-28	14-20-30
1-Way		3-6-14	5-9-19	8-12-24	9-14-28	11-17-30	13-19-32	16-24-36	19-28-39	
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	11-14-20
		3-Way	2-6-12	5-8-17	7-10-19	8-12-21	10-15-23	11-17-24	14-19-28	17-21-31
		2-Way	3-7-15	6-10-21	8-13-24	10-15-27	12-18-29	14-21-32	17-24-35	21-27-38
1-Way		4-10-21	8-14-29	11-17-33	14-21-36	16-24-39	18-29-42	23-33-46	28-36-51	
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	8-13-27
		3-Way	1-3-10	2-6-14	4-9-18	6-10-21	8-12-26	9-14-29	11-18-37	14-21-42
		2-Way	2-5-14	4-9-19	7-12-24	9-14-30	11-17-35	13-19-40	16-24-47	19-30-52
1-Way		3-8-17	6-11-23	9-14-30	11-17-36	13-20-42	15-23-48	19-30-54	23-36-59	
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<sup>-12</sup> 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 – 2006.

#### 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.