

DABLJ-00 ■ DABLRJ-00 ■ DABLH-00 ■ DABLRH-00 ■ DABLN-00 ■ DABL RN-00

Free Area (ft ² /ft)	Nominal Duct Width (in.)	Total Pressure (in. w.g.)	0.005	0.012	0.021	0.032	0.046	0.062	0.082	0.104
0.077	2"	Airflow (CFM/FT)	18	27	36	45	54	63	72	81
		NC	-	-	-	17	22	27	30	34
		Throw	2-3-7	3-5-10	4-7-13	5-8-15	7-10-16	9-12-18	10-14-19	12-16-21
0.101	2-1/2"	Airflow (CFM/FT)	26	40	53	66	79	92	106	119
		NC	-	-	-	18	24	28	32	35
		Throw	2-4-9	4-6-13	5-8-16	7-11-18	9-13-20	11-16-22	14-18-24	16-21-25
0.124	3"	Airflow (CFM/FT)	35	53	70	88	106	123	141	158
		NC	-	-	-	21	26	30	34	37
		Throw	3-5-11	5-7-15	7-10-18	9-13-21	12-16-23	14-19-25	17-22-28	20-25-30
0.147	3-1/2"	Airflow (CFM/FT)	44	66	88	110	132	154	176	198
		NC	-	-	16	22	27	31	35	38
		Throw	3-5-12	5-9-17	8-12-21	10-15-23	13-18-26	17-22-29	20-25-31	23-29-33
0.17	4"	Airflow (CFM/FT)	53	80	106	133	160	186	213	239
		NC	-	-	16	22	27	31	35	38
		Throw	3-6-14	6-10-19	9-13-23	12-17-26	15-21-29	19-25-32	23-29-34	26-32-36
0.217	5"	Airflow (CFM/FT)	71	106	142	177	212	248	283	318
		NC	-	-	16	22	27	31	35	38
		Throw	4-7-16	7-11-22	11-16-26	14-20-30	18-24-33	23-29-37	27-34-40	32-38-42
0.263	6"	Airflow (CFM/FT)	89	133	178	222	266	310	355	400
		NC	-	-	18	24	29	33	36	39
		Throw	5-8-18	8-13-25	12-18-30	16-23-33	21-28-37	26-33-41	31-39-44	37-44-47



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DABLJ-01 ■ DABLRJ-01 ■ DABLH-01 ■ DABLRH-01 ■ DABLN-01 ■ DABL RN-01

Free Area (ft ² /ft)	Nominal Duct Width (in.)	Total Pressure (in. w.g.)	0.007	0.016	0.029	0.045	0.066	0.091	0.120	0.153	0.190
			0.056	2"	Airflow (CFM/FT)	20	29	38	47	56	66
NC	-	-			-	15	20	24	28	31	34
Throw	2-5-10	4-7-14			6-10-17	8-12-19	10-14-21	11-16-23	13-17-25	14-18-26	15-19-27
0.075	2-1/2"	Airflow (CFM/FT)	26	39	52	65	78	91	104	117	130
		NC	-	-	-	15	21	25	29	32	35
		Throw	2-5-12	5-9-17	7-12-20	10-15-23	12-17-25	14-18-27	15-20-29	17-21-31	18-23-32
0.094	3"	Airflow (CFM/FT)	32	49	66	83	100	117	134	151	168
		NC	-	-	-	15	21	25	30	33	36
		Throw	2-6-13	6-10-19	8-14-23	11-17-26	14-19-28	16-21-31	17-23-33	19-24-35	20-26-37
0.112	3-1/2"	Airflow (CFM/FT)	42	62	82	102	122	143	163	183	203
		NC	-	-	-	15	21	26	30	34	37
		Throw	3-7-16	7-11-21	10-15-25	13-18-28	15-21-31	17-23-34	19-25-36	21-27-38	22-28-40
0.131	4"	Airflow (CFM/FT)	48	72	98	122	146	171	195	219	243
		NC	-	-	-	16	22	27	31	35	38
		Throw	3-7-17	7-12-23	11-17-28	14-20-31	17-23-34	19-25-37	21-27-40	23-29-42	25-31-44
0.168	5"	Airflow (CFM/FT)	63	94	125	156	188	219	250	281	312
		NC	-	-	-	17	23	28	32	36	39
		Throw	4-8-19	8-14-26	12-19-31	16-23-35	19-26-38	22-29-42	24-31-45	26-33-47	28-35-50
0.206	6"	Airflow (CFM/FT)	77	116	155	194	233	272	311	350	389
		NC	-	-	-	19	25	29	34	37	41
		Throw	4-9-21	9-16-29	14-21-35	18-26-39	21-29-43	24-32-47	27-35-50	29-37-53	31-39-56



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DABLJ-82 ■ DABLRJ-82 ■ DABLH-82 ■ DABLRH-82 ■ DABLN-82 ■ DABL RN-82

Free Area (ft ² /ft)	Nominal Duct Width (in.)	Total Pressure (in. w.g.)	0.006	0.013	0.023	0.034	0.048	0.064	0.083	0.103	0.126
0.068	2"	Airflow (CFM/FT)	22	33	44	55	66	77	88	99	110
		NC	-	-	-	19	24	28	32	35	37
		Throw	2-4-11	4-8-14	7-10-17	9-13-18	10-14-20	12-16-22	13-17-24	14-18-25	15-18-27
0.096	2-1/2"	Airflow (CFM/FT)	30	44	58	72	86	100	114	128	142
		NC	-	-	-	18	23	26	30	33	36
		Throw	2-5-12	5-9-16	7-12-19	9-14-21	11-16-23	13-18-25	15-19-27	16-20-29	17-21-30
0.124	3"	Airflow (CFM/FT)	38	58	78	98	118	138	158	178	198
		NC	-	-	-	18	23	27	31	34	37
		Throw	2-5-13	5-10-19	9-14-22	11-17-24	14-19-26	16-21-29	18-22-32	19-23-34	20-25-36
0.152	3-1/2"	Airflow (CFM/FT)	46	69	92	115	138	161	184	207	230
		NC	-	-	-	19	24	28	31	35	37
		Throw	2-6-15	6-11-20	9-15-24	12-18-27	15-20-28	17-22-31	19-24-34	20-25-36	22-27-38
0.18	4"	Airflow (CFM/FT)	56	83	110	137	164	191	218	245	272
		NC	-	-	-	20	25	29	32	35	38
		Throw	2-7-16	6-12-22	10-16-26	13-19-29	16-22-31	18-24-34	20-26-37	22-28-40	24-29-42
0.237	5"	Airflow (CFM/FT)	72	107	142	177	212	247	282	317	352
		NC	-	-	15	21	25	29	33	36	38
		Throw	3-7-18	7-13-25	11-18-30	15-22-33	18-25-35	21-28-39	23-30-42	25-31-45	27-33-48
0.293	6"	Airflow (CFM/FT)	88	133	178	223	268	313	358	403	448
		NC	-	-	17	22	27	31	34	37	40
		Throw	3-8-20	8-15-28	12-20-33	17-25-37	20-28-40	24-31-44	26-34-47	28-35-51	30-37-54



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DABLJ-84 ■ DABLRJ-84 ■ DABLH-84 ■ DABLRH-84 ■ DABLN-84 ■ DABL RN-84

Free Area (ft ² /ft)	Nominal Duct Width (in.)	Total Pressure (in. w.g.)	0.005	0.012	0.021	0.033	0.047	0.064	0.084	0.107	0.132
			0.063	2"	Airflow (CFM/FT)	20	29	38	47	56	66
	NC	-	-		-	-	18	22	24	27	29
	Throw	2-5-10	4-7-14		6-10-17	8-12-19	9-14-21	11-15-22	12-17-24	14-18-25	15-19-26
0.081	2-1/2"	Airflow (CFM/FT)	26	39	52	65	78	91	104	117	130
		NC	-	-	-	16	20	23	26	29	31
		Throw	2-5-12	5-9-16	8-12-20	10-14-22	12-16-24	13-18-26	15-20-28	16-21-29	17-22-30
0.099	3"	Airflow (CFM/FT)	32	49	66	83	100	117	134	151	168
		NC	-	-	-	17	21	24	27	30	33
		Throw	3-6-13	6-10-18	9-13-22	11-16-25	13-19-27	15-21-30	17-22-31	19-24-33	20-25-34
0.117	3-1/2"	Airflow (CFM/FT)	42	62	82	104	122	143	163	183	203
		NC	-	-	-	18	22	25	28	31	33
		Throw	4-7-15	7-11-21	10-15-25	12-18-28	15-21-30	17-23-33	19-25-34	21-26-36	22-28-37
0.135	4"	Airflow (CFM/FT)	48	72	98	122	146	171	195	219	243
		NC	-	-	-	18	23	26	30	32	35
		Throw	4-8-16	8-12-23	11-17-27	14-20-30	17-23-33	19-25-35	21-27-37	23-29-39	24-30-41
0.171	5"	Airflow (CFM/FT)	63	94	125	156	188	219	250	281	312
		NC	-	-	-	19	24	28	31	34	37
		Throw	5-9-19	9-14-26	13-19-31	16-23-34	19-26-38	22-28-40	24-31-42	26-33-44	28-34-46
0.207	6"	Airflow (CFM/FT)	77	116	155	194	233	272	311	350	389
		NC	-	-	15	21	26	30	33	37	39
		Throw	5-10-21	10-16-29	14-21-34	18-25-38	21-29-42	24-32-45	27-34-47	29-36-49	31-38-51

Performance Notes:

1. Products have been tested per ANSI/ASHRAE Standard 70-2023 "Method of Testing for Rating the Performance of Air Outlets and Inlets."
2. Throw velocities are given for terminal velocities of 150, 100 and 50 fpm.
3. Throw values are based on an active section 4 feet long.
4. NC values are based on a room absorption of 10 dB, re 10⁻¹² watts, with a 4-foot active section.
5. Dash (-) in space denotes an NC value less than 15.
6. The NC value is increased by 4 for Return Air applications, and the negative static pressure is 0.8 times the listed total pressure.

Throw Correction for Length			
Active Length (ft.)	Terminal Velocity		
	150 fpm	100 fpm	50 fpm
1 ft.	0.5	0.6	0.7
10 ft. +	1.6	1.4	1.2

Noise Criteria Correction for Length					
Active Length (ft.)	1	2	4	8	10
Correction	-6	-3	0	3	4



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