

TBD-10 / HIGH CAPACITY / ADJUSTABLE

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6" Inlet 1-Slot	1" Slot Width	2' Long	Airflow, cfm	50	73	95	118	140	163	185	
			Total Pressure	0.023	0.048	0.083	0.126	0.179	0.241	0.313	
			Static Pressure	0.018	0.039	0.066	0.102	0.144	0.194	0.252	
			NC (Noise Criteria)	-	18	25	30	35	38	41	
		Throw	5-10-18	9-14-22	12-18-25	15-20-28	17-21-30	19-23-32	20-24-35		
		4' Long	Airflow, cfm	80	118	155	193	230	268	305	
			Total Pressure	0.033	0.07	0.122	0.188	0.269	0.364	0.473	
			Static Pressure	0.021	0.045	0.079	0.122	0.174	0.236	0.307	
	NC (Noise Criteria)		-	17	24	29	34	37	41		
	1.5" Slot Width	2' Long	Airflow, cfm	50	70	90	110	130	150	170	
			Total Pressure	0.022	0.043	0.071	0.105	0.147	0.196	0.252	
			Static Pressure	0.017	0.034	0.056	0.084	0.117	0.156	0.2	
			NC (Noise Criteria)	-	17	24	29	33	37	40	
		Throw	2-4-10	3-7-13	6-9-15	7-11-16	9-13-18	10-13-19	11-14-20		
		4' Long	Airflow, cfm	75	105	135	165	195	225	255	
			Total Pressure	0.021	0.041	0.068	0.102	0.142	0.19	0.243	
Static Pressure			0.011	0.022	0.036	0.053	0.074	0.099	0.127		
NC (Noise Criteria)	-		18	24	30	34	37	41			
8" Inlet 1-Slot	1" Slot Width	2' Long	Airflow, cfm	50	78	105	133	160	188	215	
			Total Pressure	0.018	0.043	0.08	0.127	0.185	0.254	0.334	
			Static Pressure	0.016	0.039	0.072	0.115	0.167	0.23	0.302	
			NC (Noise Criteria)	-	17	25	31	35	39	42	
		Throw	5-10-18	10-15-22	14-18-26	17-21-29	19-23-32	20-25-35	22-26-37		
		4' Long	Airflow, cfm	100	140	180	220	260	300	340	
			Total Pressure	0.028	0.055	0.091	0.136	0.19	0.252	0.324	
			Static Pressure	0.021	0.041	0.069	0.102	0.143	0.19	0.245	
	NC (Noise Criteria)		-	19	25	30	34	37	41		
	1.5" Slot Width	2' Long	Airflow, cfm	60	85	110	135	160	185	210	
			Total Pressure	0.034	0.068	0.114	0.171	0.241	0.322	0.415	
			Static Pressure	0.031	0.063	0.105	0.159	0.223	0.298	0.384	
			NC (Noise Criteria)	-	17	23	28	33	36	40	
		Throw	3-6-12	5-8-14	7-11-16	9-13-18	11-14-20	12-15-21	13-16-23		
		4' Long	Airflow, cfm	90	128	165	203	240	278	315	
			Total Pressure	0.02	0.039	0.066	0.099	0.139	0.186	0.24	
Static Pressure			0.014	0.028	0.047	0.071	0.1	0.133	0.171		
NC (Noise Criteria)	-		17	24	29	33	37	40			
10" Inlet 1-Slot	1" Slot Width	2' Long	Airflow, cfm	60	85	110	135	160	185	210	
			Total Pressure	0.028	0.056	0.094	0.142	0.199	0.266	0.343	
			Static Pressure	0.027	0.054	0.09	0.135	0.19	0.254	0.327	
			NC (Noise Criteria)	-	18	24	29	33	37	40	
		Throw	7-12-20	11-17-23	14-19-27	17-21-30	19-23-32	20-24-35	21-26-37		
		4' Long	Airflow, cfm	100	145	190	235	280	325	370	
			Total Pressure	0.021	0.044	0.076	0.117	0.166	0.223	0.289	
			Static Pressure	0.017	0.037	0.063	0.097	0.137	0.185	0.239	
	NC (Noise Criteria)		-	18	25	30	34	38	41		
	1.5" Slot Width	2' Long	Airflow, cfm	75	93	110	128	145	163	180	
			Total Pressure	0.078	0.118	0.168	0.225	0.291	0.366	0.449	
			Static Pressure	0.076	0.115	0.163	0.219	0.284	0.356	0.437	
			NC (Noise Criteria)	-	15	19	23	26	29	32	
		Throw	4-7-13	6-9-15	7-11-16	8-12-18	10-13-19	11-14-20	12-15-21		
		4' Long	Airflow, cfm	110	155	200	245	290	335	380	
			Total Pressure	0.026	0.051	0.085	0.128	0.179	0.239	0.307	
Static Pressure			0.021	0.042	0.071	0.106	0.148	0.198	0.255		
NC (Noise Criteria)	-		19	25	30	34	38	41			
12" Inlet 1-Slot	1" Slot Width	4' Long	Airflow, cfm	120	170	220	270	320	370	420	
			Total Pressure	0.026	0.052	0.088	0.132	0.185	0.248	0.319	
			Static Pressure	0.024	0.048	0.081	0.122	0.171	0.229	0.295	
			NC (Noise Criteria)	-	19	25	30	34	38	41	
		Throw	9-16-28	16-23-33	20-27-38	24-30-42	26-32-46	28-35-49	30-37-52		
		1.5" Slot Width	4' Long	Airflow, cfm	140	190	240	290	340	390	440
				Total Pressure	0.051	0.095	0.151	0.221	0.303	0.399	0.508
				Static Pressure	0.049	0.09	0.143	0.209	0.288	0.378	0.482
	NC (Noise Criteria)			-	18	24	29	33	36	39	
	Throw		5-10-18	9-13-21	11-17-24	14-19-26	16-20-29	18-22-31	19-23-33		

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6" Inlet 2-Slot	1" Slot Width	2' Long	Airflow, cfm	90	125	160	195	230	265	300
			Total Pressure	0.041	0.079	0.130	0.193	0.269	0.357	0.457
			Static Pressure	0.027	0.052	0.084	0.125	0.174	0.231	0.297
			NC (Noise Criteria)	-	19	25	30	34	37	40
			Throw	5-12-24	10-17-28	15-22-32	18-25-36	21-27-39	24-29-41	25-31-44
		Airflow, cfm	150	185	220	255	290	325	360	
	4' Long	Total Pressure	0.085	0.130	0.183	0.246	0.319	0.400	0.491	
		Static Pressure	0.045	0.069	0.097	0.130	0.168	0.212	0.260	
		NC (Noise Criteria)	-	15	20	23	26	29	32	
		Throw	5-11-29	8-17-35	11-21-38	15-25-41	19-28-43	21-32-46	23-34-48	
		Airflow, cfm	90	130	170	210	250	290	330	
	1.5" Slot Width	2' Long	Total Pressure	0.030	0.063	0.108	0.165	0.234	0.315	0.408
			Static Pressure	0.016	0.033	0.057	0.086	0.122	0.165	0.213
			NC (Noise Criteria)	14	23	30	36	40	44	47
			Throw	2-5-13	4-9-18	7-12-20	10-15-23	12-17-25	14-19-26	15-20-28
			Airflow, cfm	150	190	230	270	310	350	390
4' Long		Total Pressure	0.055	0.089	0.130	0.179	0.236	0.301	0.373	
		Static Pressure	0.015	0.024	0.035	0.049	0.064	0.082	0.102	
		NC (Noise Criteria)	18	24	29	33	36	39	42	
		Throw	2-4-15	3-7-19	5-11-23	6-13-26	9-15-27	11-17-29	13-19-31	
		Airflow, cfm	90	130	170	210	250	290	330	
8" Inlet 2-Slot	1" Slot Width	2' Long	Total Pressure	0.023	0.047	0.081	0.124	0.175	0.236	0.306
			Static Pressure	0.021	0.045	0.076	0.116	0.165	0.221	0.287
			NC (Noise Criteria)	-	17	24	29	33	37	40
			Throw	5-12-24	11-18-29	16-23-33	19-26-37	23-28-40	25-31-43	27-33-46
			Airflow, cfm	170	230	290	350	410	470	530
		4' Long	Total Pressure	0.051	0.093	0.147	0.214	0.294	0.386	0.491
	Static Pressure		0.046	0.083	0.133	0.193	0.265	0.348	0.443	
	NC (Noise Criteria)		-	18	24	28	32	35	38	
	Throw		7-15-33	12-22-39	19-28-43	23-34-48	27-36-52	30-39-55	34-41-59	
	Airflow, cfm		120	160	200	240	280	320	360	
	1.5" Slot Width	2' Long	Total Pressure	0.035	0.062	0.097	0.139	0.189	0.247	0.313
			Static Pressure	0.025	0.044	0.069	0.100	0.135	0.177	0.224
			NC (Noise Criteria)	16	23	29	33	37	41	44
			Throw	4-8-17	6-11-20	9-14-22	11-17-24	13-18-26	15-20-28	17-21-30
			Airflow, cfm	180	250	320	390	460	530	600
		4' Long	Total Pressure	0.040	0.077	0.125	0.186	0.259	0.344	0.441
Static Pressure			0.017	0.034	0.055	0.082	0.113	0.151	0.193	
NC (Noise Criteria)			17	25	31	36	41	44	47	
Throw			3-6-18	6-12-25	9-16-28	13-19-31	15-23-33	18-25-36	20-27-38	
Airflow, cfm			100	145	190	235	280	325	370	
10" Inlet 2-Slot	1" Slot Width	2' Long	Total Pressure	0.021	0.044	0.076	0.117	0.166	0.223	0.289
			Static Pressure	0.020	0.042	0.073	0.112	0.158	0.213	0.277
			NC (Noise Criteria)	-	18	25	30	34	38	41
			Throw	6-14-25	13-20-31	17-25-35	22-28-39	25-30-43	26-32-46	28-35-49
			Airflow, cfm	175	258	340	423	505	588	670
		4' Long	Total Pressure	0.034	0.073	0.127	0.196	0.281	0.380	0.494
	Static Pressure		0.031	0.067	0.117	0.180	0.257	0.348	0.453	
	NC (Noise Criteria)		-	19	26	31	35	39	42	
	Throw		7-16-34	15-25-41	22-33-47	27-37-52	33-40-57	36-44-62	38-47-66	
	Airflow, cfm		150	200	250	300	350	400	450	
	1.5" Slot Width	2' Long	Total Pressure	0.048	0.085	0.133	0.191	0.261	0.340	0.431
			Static Pressure	0.040	0.071	0.110	0.159	0.216	0.282	0.357
			NC (Noise Criteria)	18	25	31	35	39	43	46
			Throw	6-11-19	9-14-22	12-17-25	14-19-27	16-21-29	18-22-31	19-23-33
			Airflow, cfm	220	300	380	460	540	620	700
		4' Long	Total Pressure	0.040	0.075	0.120	0.176	0.243	0.320	0.408
Static Pressure			0.023	0.042	0.068	0.100	0.137	0.181	0.231	
NC (Noise Criteria)			18	26	32	37	41	44	47	
Throw			4-10-22	8-15-27	13-19-30	15-23-33	18-26-36	20-27-39	23-29-41	
Airflow, cfm			200	285	370	455	540	625	710	
12" Inlet 2-Slot	1" Slot Width	4' Long	Total Pressure	0.025	0.050	0.085	0.129	0.181	0.242	0.313
			Static Pressure	0.023	0.048	0.080	0.122	0.171	0.229	0.296
			NC (Noise Criteria)	-	19	25	30	34	38	41
			Throw	9-19-36	18-28-43	24-35-49	29-38-54	34-42-59	37-45-64	39-48-68
			Airflow, cfm	250	350	450	550	650	750	850
	1.5" Slot Width	4' Long	Total Pressure	0.035	0.069	0.114	0.171	0.238	0.318	0.408
Static Pressure			0.027	0.053	0.087	0.130	0.182	0.242	0.310	
NC (Noise Criteria)			15	24	30	35	40	43	47	
Throw			6-12-25	11-17-29	15-22-33	18-26-36	21-28-40	25-30-43	26-32-45	
Airflow, cfm			200	285	370	455	540	625	710	

Performance notes appear at end of performance data

PERFORMANCE NOTES

- Throw values given are for terminal velocities of 150, 100 and 50 fpm and for isothermal conditions
- All pressures given are in inches of wg
- Each NC value represents the noise criteria curve that will not be exceeded by the sound pressure in any of the octave bands, 2 through 7, with a room absorption of 10 dB, re 10^{-12} watts
- Dash (-) in space denotes an NC value of less than 10
- Data was obtained from tests conducted in accordance with ANSI/ASHRAE Standard 70-2006. Actual performance, with flexible duct inlet, may vary in the field. See section, Engineering Guidelines and the topic 'Other Grille and Diffuser Application Factors' for additional information.
- Throws listed are for the one-way air pattern. For divided airflow, select the airflow in each direction according to the number of slots aimed in that direction, with the total airflow apportioned between slots. See section, Engineering Guidelines and the topic 'Procedure to Obtain Catalog Throw Data' in this catalog for throw information.

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