

Slot Width	Width W			
	1slot	2slot	3slot	4slot
3/4	1 3/4	3 1/2	5 1/4	7
1	2	4	6	8

LDB Linear diffuser with box performance Data:
6'' Intel 1 Slot:

3/4'' slot width	2 long	Airflow, cfm	30	45	60	75	90	105	120
		Total pressure	0.026	0.058	0.103	0.161	0.232	0.316	0.412
		Static pressure	0.024	0.054	0.097	0.151	0.217	0.296	0.387
		NC (noise criteria)	-	19	25	31	35	39	42
		Throw	3-7-15	7-11-23	10-15-26	13-19-29	15-23-32	18-25-35	20-26-37
	4 long	Airflow, cfm	50	73	95	118	140	163	185
		Total pressure	0.022	0.047	0.08	0.123	0.174	0.235	0.305
		Static pressure	0.018	0.037	0.064	0.098	0.139	0.188	0.243
		NC (noise criteria)	-	19	26	31	35	38	42
		Throw	3-6-11	6-9-13	8-11-15	9-12-17	11-13-18	11-14-20	12-15-21
1'' slot width	2 long	Airflow, cfm	30	45	60	75	90	105	120
		Total pressure	0.014	0.032	0.057	0.09	0.129	0.176	0.23
		Static pressure	0.013	0.029	0.051	0.08	0.115	0.156	0.204
		NC (noise criteria)	-	19	26	31	35	39	42
		Throw	2-5-13	5-10-20	8-13-26	11-16-29	13-20-32	15-23-35	17-26-37
	4 long	Airflow, cfm	45	68	90	113	135	158	180
		Total pressure	0.013	0.03	0.054	0.084	0.121	0.165	0.215
		Static pressure	0.01	0.022	0.039	0.061	0.089	0.121	0.157
		NC (noise criteria)	-	18	25	30	35	38	41
		Throw	2-4-09	4-7-13	6-9-15	8-12-17	9-13-18	11-14-20	12-15-21

8'' Intel 1 Slot :

3/4''slot width	2 long	Airflow, cfm	30	43	55	68	80	93	105
		Total pressure	0.041	0.083	0.139	0.209	0.294	0.393	0.507
		Static pressure	0.041	0.082	0.137	0.206	0.29	0.387	0.499
		NC (noise criteria)	-	13	19	24	28	32	35
		Throw	3-7-15	7-11-21	10-15-26	11-17-28	13-20-30	16-23-33	18-25-35
	4 long	Airflow, cfm	55	80	105	130	155	180	205
		Total pressure	0.021	0.045	0.077	0.118	0.168	0.227	0.294
		Static pressure	0.019	0.04	0.07	0.107	0.152	0.205	0.265
		NC (noise criteria)	-	18	24	29	33	37	40
		Throw	4-7-12	6-9-14	8-11-16	10-13-18	11-13-19	12-15-21	13-16-22
1''slot width	2 long	Airflow, cfm	30	48	65	83	100	118	135
		Total pressure	0.016	0.04	0.076	0.122	0.179	0.248	0.327
		Static pressure	0.016	0.039	0.073	0.117	0.172	0.238	0.314
		NC (noise criteria)	-	16	24	29	34	38	41
		Throw	2-5-13	5-10-21	9-14-27	12-18-31	15-22-34	17-26-37	20-28-39
	4 long	Airflow, cfm	50	75	100	125	150	175	200
		Total pressure	0.011	0.025	0.044	0.068	0.098	0.134	0.175
		Static pressure	0.009	0.021	0.037	0.058	0.083	0.113	0.147
		NC (noise criteria)	-	17	23	29	33	37	40
		Throw	2-5-10	5-8-13	7-10-16	9-12-17	10-13-19	12-15-21	13-16-22

10'' Intel 1 Slot :

3/4'' slot width	2 long	Airflow, cfm	40	45	50	55	60	65	70
		Total pressure	0.161	0.204	0.251	0.304	0.362	0.425	0.493
		Static pressure	0.160	0.203	0.250	0.303	0.361	0.423	0.491
		NC (noise criteria)	-	12	14	17	19	21	22
		Throw	6-10-20	7-11-23	8-13-24	9-14-25	10-15-26	11-16-27	12-18-28
	4 long	Airflow, cfm	60	90	120	150	180	210	240
		Total pressure	0.027	0.061	0.108	0.169	0.243	0.331	0.433
		Static pressure	0.026	0.058	0.103	0.161	0.232	0.315	0.412
		NC (noise criteria)	-	17	23	27	31	35	37
		Throw	5-7-12	7-10-15	9-12-17	11-13-19	12-15-21	13-16-23	14-17-24
1'' slot width	2 long	Airflow, cfm	40	55	70	85	100	115	130
		Total pressure	0.044	0.083	0.135	0.199	0.275	0.363	0.464
		Static pressure	0.043	0.082	0.133	0.196	0.271	0.359	0.458
		NC (noise criteria)	-	17	23	27	31	35	37
		Throw	4-8-17	7-12-24	10-15-28	12-19-31	15-22-34	17-25-36	19-17-24
	4 long	Airflow, cfm	60	90	120	150	180	210	240
		Total pressure	0.014	0.032	0.057	0.088	0.127	0.173	0.226
		Static pressure	0.013	0.029	0.051	0.080	0.116	0.157	0.205
		NC (noise criteria)	-	18	25	30	35	38	41
		Throw	3-6-12	6-9-15	8-12-17	10-13-19	12-15-21	13-16-23	14-17-24

12'' Intel 1 Slot :

3/4'' Slot width	4 long	Airflow, cfm	80	95	110	125	140	155	170
		Total pressure	0.094	0.133	0.178	0.230	0.288	0.353	0.425
		Static pressure	0.093	0.131	0.176	0.227	0.285	0.350	0.421
		NC (noise criteria)	-	15	18	21	24	27	29
		Throw	6-9-14	8-11-15	9-12-16	10-12-17	11-13-18	11-14-19	12-14-20
1'' Slot width	4 long	Airflow, cfm	70	105	140	175	210	245	280
		Total pressure	0.025	0.056	0.099	0.155	0.224	0.304	0.398
		Static pressure	0.024	0.054	0.097	0.151	0.218	0.296	0.387

		NC (noise criteria)	-	18	25	30	34	38	41
		Throw	4-7-13	7-11-16	10-13-18	12-15-21	13-16-23	14-17-24	15-18-26

6'' Intel 2 Slot :

3/4''slot width	2 long	Airflow, cfm	40	65	90	115	140	165	190
		Total pressure	0.014	0.038	0.072	0.118	0.174	0.242	0.321
		Static pressure	0.011	0.030	0.058	0.094	0.139	0.194	0.257
		NC (noise criteria)	-	17	25	30	35	39	42
		Throw	2-5-14	5-12-23	10-16-32	14-20-36	17-25-40	20-29-44	23-33-47
	4 long	Airflow, cfm	75	110	145	180	215	250	285
		Total pressure	0.028	0.060	0.104	0.161	0.229	0.310	0.403
		Static pressure	0.018	0.038	0.067	0.103	0.147	0.198	0.258
		NC (noise criteria)	-	16	24	29	34	37	41
		Throw	3-6-13	5-9-16	8-12-19	10-15-21	12-16-23	14-17-25	15-19-26
1''slot width	2 long	Airflow, cfm	40	63	85	108	130	153	175
		Total pressure	0.011	0.026	0.048	0.077	0.112	0.155	0.203
		Static pressure	0.008	0.019	0.035	0.056	0.082	0.113	0.149
		NC (noise criteria)	-	16	24	29	34	37	41
		Throw	1-3-12	3-7-19	6-13-26	10-17-33	13-20-39	16-23-42	18-27-25
	4 long	Airflow, cfm	70	103	135	168	200	233	265
		Total pressure	0.021	0.045	0.078	0.120	0.171	0.232	0.301
		Static pressure	0.012	0.026	0.046	0.070	0.100	0.135	0.176
		NC (noise criteria)	-	17	24	29	33	37	40
		Throw	1-3-10	3-7-15	5-10-18	8-12-20	10-15-22	11-17-24	13-18-25

8'' Intel 2 Slot :

3/4''slot width	2 long	Airflow, cfm	50	75	100	125	150	175	200
		Total pressure	0.018	0.039	0.070	0.109	0.158	0.214	0.280
		Static pressure	0.016	0.036	0.063	0.099	0.142	0.193	0.253
		NC (noise criteria)	-	16	23	28	33	36	39
		Throw	3-7-18	7-13-27	12-18-34	15-22-38	18-27-42	21-31-45	24-34-48
	4 long	Airflow, cfm	90	130	170	210	250	290	330
		Total pressure	0.022	0.046	0.079	0.121	0.171	0.230	0.298
		Static pressure	0.017	0.035	0.059	0.090	0.128	0.172	0.223
		NC (noise criteria)	-	19	25	30	34	38	41
		Throw	4-8-15	7-11-18	9-14-20	12-16-23	14-17-25	15-19-26	16-20-28
1''slot width	2 long	Airflow, cfm	50	75	100	125	150	175	200
		Total pressure	0.011	0.025	0.044	0.068	0.098	0.134	0.175
		Static pressure	0.009	0.021	0.037	0.058	0.083	0.113	0.147
		NC (noise criteria)	-	17	23	29	33	37	40
		Throw	2-5-15	5-10-23	8-15-31	13-19-38	15-23-42	18-27-45	21-31-48
	4 long	Airflow, cfm	90	125	160	195	230	265	300
		Total pressure	0.018	0.034	0.055	0.082	0.114	0.152	0.194
		Static pressure	0.012	0.023	0.038	0.056	0.078	0.103	0.132
		NC (noise criteria)	-	18	24	29	33	36	39
		Throw	2-5-13	5-9-17	7-12-20	9-14-22	11-17-24	13-18-25	15-19-27

10'' Intel 2 Slot :

3/4'' slot width	2 long	Airflow, cfm	50	83	115	148	180	213	245
		Total pressure	0.019	0.051	0.099	0.163	0.243	0.339	0.451
		Static pressure	0.018	0.049	0.095	0.156	0.23	0.323	0.429
		NC (noise criteria)	-	16	24	29	34	38	41
		Throw	3-7-18	9-15-29	14-20-36	17-26-41	21-32-46	25-35-49	29-38-53
	4 long	Airflow, cfm	80	130	180	230	280	330	380
		Total pressure	0.013	0.035	0.067	0.109	0.161	0.224	0.297
		Static pressure	0.011	0.029	0.055	0.089	0.133	0.184	0.244
		NC (noise criteria)	-	16	24	29	34	38	41
		Throw	3-6-13	7-11-18	10-15-21	13-17-24	15-18-26	16-20-28	18-21-30
1'' slot width	2 long	Airflow, cfm	60	90	120	150	180	210	240
		Total pressure	0.014	0.032	0.057	0.088	0.0127	0.0173	0.226
		Static pressure	0.013	0.029	0.051	0.080	0.116	0.157	0.205
		NC (noise criteria)	-	18	25	30	35	38	41
		Throw	3-7-18	7-14-28	12-18-37	15-23-42	18-28-46	22-32-49	25-37-53
	4 long	Airflow, cfm	100	145	190	235	280	325	370
		Total pressure	0.015	0.031	0.054	0.082	0.116	0.157	0.203
		Static pressure	0.011	0.024	0.041	0.062	0.088	-	0.154
		NC (noise criteria)	-	19	25	30	34	38	41
		Throw	3-7-15	6-11-19	9-14-21	11-17-24	14-18-26	16-20-28	17-21-30

12'' Intel 2 Slot :

3/4'' Slot width	4 long	Airflow, cfm	120	175	230	285	340	395	450
		Total pressure	0.025	0.054	0.093	0.142	0.202	0.273	0.355
		Static pressure	0.023	0.049	0.086	0.131	0.187	0.252	0.327
		NC (noise criteria)	-	19	25	30	35	38	41
		Throw	6-10-17	10-15-21	13-17-24	15-19-26	17-20-29	18-22-31	19-23-33
1'' Slot width	4 long	Airflow, cfm	120	170	220	270	320	370	420
		Total pressure	0.015	0.030	0.050	0.075	0.105	0.141	0.181
		Static pressure	0.013	0.026	0.065	0.092	0.122	0.158	0.387
		NC (noise criteria)	-	19	25	29	33	37	40
		Throw	4-9-17	8-12-20	11-16-23	13-18-26	15-20-28	17-21-30	18-23-32

