

Linear Slot Diffuser - 16mm Slot width

1.7 Air Flow Data

1 slot	L/s	38	42	47	51	56	61	67	73	79
	Ps (Pa)	11.18	13.73	17.46	21.18	24.91	29.91	36.09	42.36	49.82
	Throw (ft)	6.9 - 13.1 - 18	7.9 - 14.1 - 19	9.8 - 15.1 - 20	11.2 - 16.1 - 21	12.1 - 17.1 - 22	13.1 - 18 - 23	14.1 - 19 - 24	15.1 - 19 - 24	15.1 - 20 - 24.9
	NC	<15	<15	<15	17	19	21	23	29	32
2 slot	L/s	62	69	78	86	92	101	112	121	131
	Ps (Pa)	11.18	13.73	17.46	21.18	24.91	29.91	36.09	42.36	49.82
	Throw (ft)	5.9 - 11.8 - 18	6.9 - 13.1 - 19	8.9 - 15.1 - 21	9.8 - 16.1 - 22	11.5 - 16.1 - 23	12.1 - 17.1 - 23	12.1 - 17.1 - 24	13.1 - 18 - 24	13.1 - 19 - 24.9
	NC	<15	<15	18	20	22	24	28	29	33
3 slot	L/s	84	92	105	115	126	137	151	163	177
	Ps (Pa)	11.18	13.73	17.46	21.18	24.91	29.91	36.09	42.36	49.82
	Throw (ft)	3.9 - 8.9 - 14.1	4.9 - 9.8 - 15.1	6.9 - 12.1 - 17.1	7.9 - 14.1 - 19	8.9 - 15.1 - 21	9.8 - 16.1 - 22	10.8 - 17.1 - 23	12.1 - 18 - 24	13.1 - 19 - 24.9
	NC	<15	17	19	21	25	28	29	31	34
4 slot	L/s	109	121	137	151	163	179	197	213	231
	Ps (Pa)	11.18	13.73	17.46	21.18	24.91	29.91	36.09	42.36	49.82
	Throw (ft)	3.9 - 7.9 - 13.1	4.9 - 8.9 - 14.1	5.9 - 10.8 - 16.1	6.9 - 12.1 - 18	7.9 - 13.1 - 20	9.8 - 15.1 - 22	10.8 - 16.1 - 23	12.1 - 17.1 - 23	13.1 - 18 - 24.9
	NC	16	18	22	23	26	30	33	35	38
5 slot	L/s	144	160	180	199	215	236	260	281	304
	Ps (Pa)	11.18	13.73	17.46	21.18	24.91	29.91	36.09	42.36	49.82
	Throw (ft)	3.9 - 6.9 - 13.1	4.9 - 7.9 - 14.1	5.9 - 8.9 - 16.1	6.9 - 9.8 - 17.1	8.9 - 11.8 - 19	9.8 - 14.1 - 21	10.8 - 16.1 - 22	12.1 - 17.1 - 23	13.1 - 18 - 24
	NC	17	19	25	26	29	31	34	40	43
6 slot	L/s	179	198	223	246	267	293	321	349	378
	Ps (Pa)	11.18	13.73	17.46	21.18	24.91	29.91	36.09	42.36	49.82
	Throw (ft)	3.9 - 6.9 - 13.1	4.9 - 7.9 - 15.1	5.9 - 8.9 - 16.1	6.9 - 11.2 - 18	8.9 - 13.1 - 19	8.9 - 15.1 - 21	9.8 - 15.1 - 22	10.8 - 16.1 - 23	12.1 - 17.1 - 23
	NC	16	19	24	27	30	35	38	39	43
7 slot	L/s	217	241	269	297	323	354	389	420	458
	Ps (Pa)	11.18	13.73	17.46	21.18	24.91	29.91	36.09	42.36	49.82
	Throw (ft)	3.9 - 6.9 - 14.1	4.9 - 7.9 - 15.1	5.9 - 8.9 - 16.1	6.9 - 11.2 - 17.1	8.9 - 13.1 - 19	8.9 - 14.1 - 20	9.8 - 15.1 - 21	10.8 - 16.1 - 22	12.1 - 17.1 - 23
	NC	19	22	24	27	32	36	37	40	44
8 slot	L/s	255	281	319	349	380	415	458	495	538
	Ps (Pa)	11.18	13.73	17.46	21.18	24.91	29.91	36.09	42.36	49.82
	Throw (ft)	3.9 - 6.9 - 14.1	4.9 - 7.9 - 15.1	5.9 - 8.9 - 16.1	6.9 - 11.2 - 17.1	7.9 - 13.1 - 19	8.9 - 14.1 - 20	9.8 - 15.1 - 21	10.8 - 16.1 - 22	12.1 - 17.1 - 23
	NC	19	21	26	30	33	36	39	41	45

- Data based on one meter length of the diffuser with damper fully opened.
- P_s : Static pressure drop in Pascal.
- Throw (ft) is measured for terminal velocities of 2.5, 1.5 & 0.8 ft/s.
- Noise Criteria (NC) based on room attenuation of 10 dB.