

Plenum Slot Diffuser - 19mm Slot width

1.8 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	15	19	22	23	27	30
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	26	29	30	32
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	15	21	22	25	26	29	33	35
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	<15	17	22	24	27	30	33	34	38

- 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.