

PERFORMANCE DATA LINEAR SINGLE SLOT DIFFUSER

1.5" SLOT WIDTH	2 FT.	Airflow, cfm	40	70	100	130	160	190	220
		Total Pressure	0.008	0.025	0.051	0.087	0.130	0.183	0.245
		Static Pressure	0.007	0.023	0.046	0.077	0.117	0.164	0.221
		NC (Noise Criteria)	<15	<15	18	25	30	33	36
		Throw	3-7-13	3-8-16	4-11-17	5-14-18	6-16-21	7-19-24	8-21-26
	4 FT.	Airflow, cfm	80	130	180	230	280	330	380
		Total Pressure	0.010	0.028	0.053	0.086	0.128	0.176	0.235
		Static Pressure	0.008	0.019	0.030	0.058	0.085	0.120	0.160
		NC (Noise Criteria)	<15	<15	15	22	28	33	36
		Throw	4-8-16	4-9-18	5-12-19	6-16-21	7-17-24	8-20-26	10-23-28
	5 FT.	Airflow, cfm	90	150	210	270	330	390	450
		Total Pressure	0.010	0.027	0.054	0.089	0.132	0.186	0.246
		Static Pressure	0.006	0.016	0.031	0.051	0.076	0.107	0.144
		NC (Noise Criteria)	<15	<15	16	23	29	34	37
		Throw	4-9-17	5-10-18	6-14-20	7-17-23	8-18-25	9-22-27	11-24-29

All pressures are in inches of H₂O.

Noise Criteria (NC) was obtained by subtracting 10 dB room effect from the Sound Power Level data.

Throw distances are given in feet and are for terminal velocities of 150, 100, and 50 fpm.

The throw data values were obtained using isothermal air conditions.

The performance data is based on tests performed in accordance with ASHRAE 70-1991 conducted on the four foot long unit at Intertek Testing Services Laboratory as referenced in Report No. J20049460-001 dated May 21, 2001.