

Performance Data

Model 61L50C • 1/2" (13) Slot Width

1 Slot	Airflow, CFM per Ft.	5	10	15	20	25	30	35	40
	Static Pressure	.003	.014	.027	.051	.083	.116	.158	.215
	NC	—	14	17	21	26	31	35	38
	Throw	1-1-2	2-3-6	3-5-9	4-6-11	4-6-12	4-7-13	5-7-14	5-8-15
2 Slot	Airflow, CFM per Ft.	10	20	30	40	50	60	70	80
	Static Pressure	.003	.014	.027	.051	.083	.116	.158	.215
	NC	—	15	20	24	28	34	38	41
	Throw	1-2-3	2-4-7	4-6-12	5-7-14	5-8-15	6-9-17	6-9-18	7-10-20
3 Slot	Airflow, CFM per Ft.	15	30	45	60	75	90	105	120
	Static Pressure	.003	.014	.027	.051	.083	.116	.158	.215
	NC	—	16	21	26	31	36	40	43
	Throw	1-2-4	3-5-10	5-8-15	6-9-18	7-11-21	7-11-22	9-13-25	8-12-23
4 Slot	Airflow, CFM per Ft.	20	40	60	80	100	120	140	160
	Static Pressure	.003	.014	.027	.051	.083	.116	.158	.215
	NC	—	17	22	27	32	37	41	44
	Throw	2-3-6	4-6-11	5-8-16	7-10-20	7-11-22	8-12-24	9-13-26	10-15-29

Model 61L75C • 3/4" (19) Slot Width

1 Slot	Airflow, CFM per Ft.	5	10	20	25	30	35	40	50
	Static Pressure	.003	.012	.026	.042	.065	.092	.125	.174
	NC	—	—	16	21	26	30	33	38
	Throw	1-1-2	2-3-6	3-5-10	4-6-12	4-7-13	5-7-14	5-8-15	5-8-16
2 Slot	Airflow, CFM per Ft.	10	20	40	50	60	70	80	100
	Static Pressure	.003	.012	.026	.042	.065	.092	.125	.174
	NC	—	—	19	24	29	33	36	41
	Throw	1-2-3	3-4-8	4-6-11	5-8-15	6-9-18	7-10-20	7-11-21	7-11-22
3 Slot	Airflow, CFM per Ft.	15	30	60	75	90	105	120	150
	Static Pressure	.003	.012	.026	.042	.065	.092	.125	.174
	NC	—	—	21	26	31	35	38	43
	Throw	2-3-6	3-5-10	5-8-15	6-10-19	7-10-20	8-12-24	9-13-25	9-14-27
4 Slot	Airflow, CFM per Ft.	20	40	80	100	120	140	160	200
	Static Pressure	.003	.012	.026	.042	.065	.092	.125	.174
	NC	—	—	22	27	32	36	39	44
	Throw	2-3-5	4-6-11	6-9-18	7-11-21	9-13-25	9-14-27	10-15-30	11-16-31

For performance notes, see page 2 of 2.

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LINEAR DIFFUSERS AND BAR GRILLES

Performance Data

Model 61L10C • 1" (25) Slot Width

1 Slot	Airflow, CFM per Ft.	10	15	25	30	40	50	55	65
	Static Pressure	.002	.009	.024	.038	.057	.082	.113	.148
	NC	—	—	17	21	26	31	35	38
	Throw	1-1-2	3-4-8	4-6-12	4-7-13	5-8-15	5-8-16	6-9-17	6-9-18
2 Slot	Airflow, CFM per Ft.	20	30	50	60	80	100	110	130
	Static Pressure	.002	.009	.024	.038	.057	.082	.113	.148
	NC	17	22	27	31	34	37	39	41
	Throw	1-2-4	3-5-10	5-8-16	6-10-19	7-10-20	7-11-21	8-12-23	9-13-25
3 Slot	Airflow, CFM per Ft.	30	45	75	90	120	150	165	195
	Static Pressure	.002	.009	.024	.038	.057	.082	.113	.148
	NC	20	24	28	31	34	36	38	40
	Throw	2-3-6	4-6-11	6-9-18	7-11-22	9-13-25	9-14-27	10-15-30	11-16-31
4 Slot	Airflow, CFM per Ft.	40	60	100	120	160	200	220	260
	Static Pressure	.002	.009	.024	.038	.057	.082	.113	.148
	NC	20	24	28	31	34	36	38	40
	Throw	2-4-7	4-7-13	7-11-21	9-13-26	10-15-29	10-15-30	12-17-34	12-18-36

NC Correction Factors for Various Lengths

Length (ft.)	2	3	4	5	6
Supply	-3	-1	0	+1	+2
Return	0	+2	+3	+3	+4

Throw Correction Factors for Various Lengths

Length (ft.)	2	3	4	5	6
Multiplier	0.70	0.85	1.0	1.125	1.25

Performance Notes:

- Horizontal throws are given at 150, 100 and 50 fpm terminal velocities under isothermal conditions. Exposed duct (no ceiling effect).
- Horizontal throws are based on the same direction of all slots.
- Throw values are based on a 4 ft. section. For other lengths, use the correction factor table above.
- All pressures are in inches w.g.
- NC values (Noise Criteria) are based on a room absorption of 10 dB, re 10⁻¹² watts. Dash (-) in space denotes an NC level of less than 15.
- NC values are based on a 4 ft. section, horizontal throw. For other lengths, use the correction factor table above.
- Data derived from tests conducted in accordance with ANSI/ASHRAE Standard 70 – 1991.