

## PERFORMANCE DATA:

### CURVED SPIRAL DUCT LINEAR SLOT • "WIPER BLADE" PATTERN CONTROLLERS

#### MODEL: 61L50C • 1/2" (13) SLOT WIDTH

Slot	Airflow, CFM per Ft.	5	10	15	20	25	30	35	40
1 Slot	Static Pressure	.003	.014	.027	.051	.083	.116	.158	.215
	Noise Criteria	-	-	-	-	16	21	25	28
	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
	Noise Criteria	-	-	-	-	18	24	28	31
3 Slot	Airflow, CFM per Ft.	15	30	45	60	75	90	105	120
	Static Pressure	.003	.14	.027	.051	.083	.116	.158	.215
	Noise Criteria	-	-	-	16	21	26	30	33
4 Slot	Airflow, CFM per Ft.	20	40	60	80	100	120	140	160
	Static Pressure	.003	.014	.027	.051	.083	.116	.158	.215
	Noise Criteria	-	-	-	17	22	27	31	34
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

Slot	Airflow, CFM per Ft.	5	10	20	25	30	35	40	50
1 Slot	Static Pressure	.003	.012	.026	.042	.065	.092	.125	.174
	Noise Criteria	-	-	-	-	16	20	23	28
	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
	Noise Criteria	-	-	-	-	19	23	26	31
3 Slot	Airflow, CFM per Ft.	15	30	60	75	90	105	120	150
	Static Pressure	.003	.12	.026	.042	.065	.092	.125	.174
	Noise Criteria	-	-	-	16	21	25	28	33
4 Slot	Airflow, CFM per Ft.	20	40	80	100	120	140	160	200
	Static Pressure	.003	.012	.026	.042	.065	.092	.125	.174
	Noise Criteria	-	-	-	17	22	26	29	34
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

#### 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:

- All pressures are in inches w.g..
- 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. Pattern controllers set in upright (non-directing) position.
- Throw values are based on a 4 ft. section. For other lengths, use the correction factors table above.
- Noise Criteria (NC) values are based on a room absorption of 10 dB, re 10<sup>-12</sup> watts. Dash (-) in space denotes a NC level of less than 15.
- Noise Criteria are based on a 4 ft. section, horizontal throw. For other lengths, use the correction factors table above.
- Data derived from tests conducted in accordance with ANSI/ASHRAE Standard 70 – 2023.

## PERFORMANCE DATA:

### CURVED SPIRAL DUCT LINEAR SLOT • "WIPER BLADE" PATTERN CONTROLLERS

#### MODEL: 61L10C • 1" (25) SLOT WIDTH

	Airflow, CFM per Ft.	10	15	25	30	40	50	55	65
1 Slot	Static Pressure	.002	.009	.024	.038	.057	.082	.113	.148
	Noise Criteria	-	-	-	-	19	24	27	31
	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
	Noise Criteria	-	-	-	15	22	27	30	34
3 Slot	Airflow, CFM per Ft.	30	45	75	90	120	150	165	195
	Static Pressure	.002	.009	.024	.038	.057	.082	.113	.148
	Noise Criteria	-	-	-	17	24	29	32	36
4 Slot	Airflow, CFM per Ft.	40	60	100	120	160	200	220	260
	Static Pressure	.002	.009	.024	.038	.057	.082	.113	.148
	Noise Criteria	-	-	-	19	25	30	33	37
	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:

1. All pressures are in inches w.g..
2. Horizontal throws are given at 150, 100 and 50 fpm terminal velocities under isothermal conditions. Exposed duct (no ceiling effect).
3. Horizontal throws are based on the same direction of all slots. Pattern controllers set in upright (non-directing) position.

4. Throw values are based on a 4 ft. section. For other lengths, use the correction factors table above.
5. Noise Criteria (NC) values are based on a room absorption of 10 dB, re 10<sup>-12</sup> watts. Dash (-) in space denotes a NC level of less than 15.

6. Noise Criteria are based on a 4 ft. section, horizontal throw. For other lengths, use the correction factors table above.
7. Data derived from tests conducted in accordance with ANSI/ASHRAE Standard 70 – 2023.