

LSD (Supply) Series

# of Slots	Width	Core Eff. Area (ft. ²)	Neck Velocity (FPM) Total Pressure	300	400	500	600	700	800	900	1000
				0.006	0.015	0.035	0.075	0.115	0.155	0.17	0.225
1	1/2"	0.040	CFM/ft.	12	16	20	24	28	32	36	40
			NC	<20	<20	<20	<20	20-25	25-30	30-35	35-40
2	1/2"	0.079	Throw (ft.)	2 2.5 3.5	5 5.5 6.5	7 8 10	8 9.5 12.5	9 10 14	10 12 16	11 13 18	12 14 19
			CFM/ft.	24	32	40	48	55	63	71	79
3	1/2"	0.119	NC	<20	<20	<20	20-25	25-30	30-35	35-40	40
			Throw (ft.)	3 3.5 4.5	6 7 9	10 11.5 14.5	12 13.5 18	13 14.5 20	14 16 22	14 18 24	16 18 26
4	1/2"	0.158	CFM/ft.	36	48	59	71	83	95	107	119
			NC	<20	<20	<20	20-25	30-35	35-40	35-40	40-45
5	1/2"	0.198	Throw (ft.)	4 4.5 5.5	8 9 11	11 13.5 17	14 16 22	16 18 24	18 20 27	18 21 30	20 22 32
			CFM/ft.	48	63	79	95	111	127	143	158
6	1/2"	0.238	NC	<20	<20	<20	20-25	30-35	35-40	40-45	40-45
			Throw (ft.)	6 6.5 7.5	10 11 13	14 16 20	17 19 25	18 21 29	20 23 31	21 24 35	22 25 37
7	1/2"	0.277	CFM/ft.	59	79	99	119	139	158	178	198
			NC	<20	<20	<20	20-25	30-35	35-40	40-45	45-50
8	1/2"	0.317	Throw (ft.)	7 8.5 9.5	12 13 15	16 18 22	19 21 26	19 22 30	21 24 32	22 25 36	23 26 38
			CFM/ft.	71	95	119	143	166	190	214	238
9	1/2"	0.356	NC	<20	<20	20-25	25-30	35-40	40-45	45-50	>50
			Throw (ft.)	10 11 12	13 15 17	18 20 24	20 23 28	21 24 32	23 26 34	24 27 38	24 28 40
10	1/2"	0.395	CFM/ft.	83	111	139	166	194	222	249	277
			NC	<20	<20	20-25	30-35	35-40	40-45	45-50	>50
11	1/2"	0.434	Throw (ft.)	12 13.5 14.5	16 18 20	20 23 27	23 26 32	24 28 36	26 30 38	28 32 42	29 34 44
			CFM/ft.	95	127	158	190	222	253	285	317
12	1/2"	0.473	NC	<20	<20	20-25	35-40	40-45	45-50	50	>50
			Throw (ft.)	15 16 17	18 20 22	22 25 29	24 28 34	26 30 38	27 32 40	29 34 44	31 36 46

# of Slots	Width	Core Eff. Area (ft. ²)	Neck Velocity (FPM) Total Pressure	300	400	500	600	700	800	900	1000
				0.004	0.015	0.035	0.075	0.115	0.155	0.17	0.225
1	3/4"	0.059	CFM/ft.	18	24	30	36	42	48	53	59
			NC	<20	<20	<20	<20	20-25	25-30	30-35	35-40
2	3/4"	0.119	Throw (ft.)	2 2.5 3.5	5 5.5 6.5	8 9 11	9 10 14	11 12 16	11 13 17	12 14 19	13 15 20
			CFM/ft.	36	48	59	71	83	95	107	119
3	3/4"	0.178	NC	<20	<20	<20	20-25	25-30	30-35	35-40	40-45
			Throw (ft.)	3 3.5 4.5	7 8 10	11 12.5 15.5	13 14.5 20	14 16 22	16 18 24	16 18 28	17 19 29
4	3/4"	0.238	CFM/ft.	53	71	89	107	125	143	160	178
			NC	<20	<20	<20	20-25	25-30	30-35	35-40	40-45
5	3/4"	0.297	Throw (ft.)	5 5.5 6.5	9 10 12	14 15.5 19	16 18 24	18 20 27	19 22 30	20 22 34	21 24 36
			CFM/ft.	71	95	119	143	166	190	214	238
6	3/4"	0.356	NC	<20	<20	<20	20-25	30-35	35-40	40-45	45-50
			Throw (ft.)	6 6.5 7.5	10 11.5 14.5	15 17 21	18 20 28	20 23 31	23 26 35	23 26 38	23 27 41
7	3/4"	0.416	CFM/ft.	89	119	148	178	208	238	267	297
			NC	<20	<20	<20	20-25	30-35	35-40	40-45	45-50
8	3/4"	0.475	Throw (ft.)	7 7.5 8.5	12 14 18	19 21 25	21 24 32	24 27 35	26 30 39	26 30 42	27 32 46
			CFM/ft.	107	143	178	214	249	285	321	356
9	3/4"	0.534	NC	<20	<20	20-25	30-35	35-40	40-45	45-50	>50
			Throw (ft.)	9 10 11	14 16 20	20 23 27	23 26 34	25 29 37	27 32 42	28 33 45	30 35 49
10	3/4"	0.593	CFM/ft.	125	166	208	249	291	333	374	416
			NC	<20	<20	20-25	30-35	35-40	40-45	45-50	>50
11	3/4"	0.652	Throw (ft.)	12 13.5 14.5	16 18 23	23 26 30	25 29 37	28 33 41	31 36 46	31 37 49	33 39 53
			CFM/ft.	143	190	238	285	333	380	428	475
12	3/4"	0.711	NC	<20	20-25	30-35	35-40	40-45	45-50	50-55	>50
			Throw (ft.)	14 16 18	18 20 25	24 28 32	26 31 39	30 35 43	32 38 48	33 39 51	35 41 55

# of Slots	Width	Core Eff. Area (ft. ²)	Neck Velocity (FPM) Total Pressure CFM/ft. NC Throw (ft.)	300		400			500			600			700			800			900			1000			
				0.004	0.015	0.035	0.075	0.115	0.155	0.17	0.225																
1	1"	0.079	CFM/ft.	24	32	40	48	55	63	71	79																
			NC	<20	<20	<20	20-25	25-30	30-35	35-40	40-45																
			Throw (ft.)	3	3.5	4.5	6	7	9	10	11	13	11	12	16	11	13	17	13	14.5	20	12	14.5	22	13	15	23
2	1"	0.158	CFM/ft.	48	63	79	95	111	127	143	158																
			NC	<20	<20	<20	25-30	30-35	35-40	40-45	45-50																
			Throw (ft.)	4	4.5	5.5	9	10	12	13	14.5	18	14	16	22	17	19	25	18	20	28	19	21	31	19	22	34
3	1"	0.238	CFM/ft.	71	95	119	143	166	190	214	238																
			NC	<20	<20	<20	20-25	25-30	30-35	35-40	40-45	45-50	>50														
			Throw (ft.)	5	6.5	7.5	10	11.5	14.5	16	18	22	18	20	28	20	23	31	22	25	33	23	26	38	23	27	41
4	1"	0.317	CFM/ft.	95	127	158	190	222	253	285	317																
			NC	<20	<20	<20	20-25	30-35	35-40	40-45	45-50	>50															
			Throw (ft.)	6	7	9	12	13.5	17	19	21	25	21	24	32	22	25	36	25	29	39	25	29	43	26	31	47
5	1"	0.396	CFM/ft.	119	158	198	238	277	317	356	396																
			NC	<20	<20	<20	20-25	30-35	35-40	40-45	45-50	>50	>50														
			Throw (ft.)	8	9	11	14	16	19	20	23	27	23	26	34	23	27	38	27	31	41	26	31	45	28	33	49
6	1"	0.475	CFM/ft.	143	190	238	285	333	380	428	475																
			NC	<20	<20	<20	25-30	30-35	35-40	40-45	45-50	>50	>50														
			Throw (ft.)	10	11.5	14	17	19	23	23	27	31	26	30	38	27	31	42	30	35	45	30	35	49	31	37	53
7	1"	0.554	CFM/ft.	166	222	277	333	388	443	499	554																
			NC	20-25	20-25	20-25	30-35	35-40	40-45	45-50	>50	>50	>50														
			Throw (ft.)	12	13.5	15	18	20	24	24	28	32	27	31	39	28	32	43	31	37	47	32	38	50	33	39	54
8	1"	0.633	CFM/ft.	190	253	317	380	443	507	570	633																
			NC	25-30	25-30	25-30	35-40	40-45	45-50	45-50	>50	>50	>50														
			Throw (ft.)	15	17	20	20	23	27	26	31	35	29	34	42	30	35	46	33	40	50	33	41	54	35	43	58

Performance Notes:

- 1) All values in above table are per linear foot
- 2) Throw values are measured in feet for terminal velocities of 150/100/50 FPM
- 3) Throw data is based on supply air and room air both at isothermal conditions
- 4) Effective core areas listed in chart are defined as the measurement of space between blades actually being utilized by the air
- 5) Data obtained from tests conducted in accordance with ANSI/ASHRAE standard 70-2006

Throw Correction for Length

Active Length (feet)	1'	2'	3'	4'	5'	6'	8'
Throw Correction	1 (published)	1.4	1.9	2.4	2.8	3.2	3.6

NC Correction for Length

Length	1'	2'	3'	4'	5'	6'	8'
Supply	0	+1	+2	+3	+4	+5	+6