

SCD-15 • 1-1/2" SLOT WIDTH • 1 SLOT • ONE WAY DISCHARGE

24"	5" DIA (.136 ft ²)	CFM	50	61	72	83	94	106	117	128	139	150
		Ps	.03	.05	.07	.10	.12	.15	.19	.23	.27	.31
		NC	<20	<20	20	25	28	32	35	37	40	42
		Throw	3 4 8	3 5 10	4 6 12	5 7 14	5 8 16	6 9 18	7 10 20	7 11 22	8 12 24	8 13 25
	6" OVAL (.181 ft ²)	CFM	60	71	82	93	104	116	127	138	149	160
		Ps	.04	.06	.08	.11	.14	.17	.20	.24	.28	.32
		NC	<20	<20	22	26	29	32	35	38	40	42
		Throw	3 5 10	4 6 12	5 7 14	5 8 16	6 9 18	7 10 20	7 11 22	8 12 23	8 13 25	9 14 26
	8" OVAL (.289 ft ²)	CFM	75	87	98	110	122	133	145	157	168	180
		Ps	.05	.07	.08	.11	.13	.15	.18	.21	.25	.28
		NC	<20	20	24	27	30	33	35	37	40	42
		Throw	4 6 13	5 7 15	6 8 17	6 9 19	7 10 21	8 11 23	8 12 25	9 13 26	10 14 27	10 15 28
	10" OVAL (.395 ft ²)	CFM	90	103	117	130	143	157	170	183	197	210
		Ps	.06	.07	.09	.12	.14	.17	.20	.23	.27	.31
		NC	<20	22	26	29	32	34	37	39	41	43
		Throw	5 8 15	6 9 18	7 10 20	7 11 22	8 12 24	9 13 26	10 14 27	10 16 28	11 17 29	12 18 30
	12" OVAL (.682 ft ²)	CFM	100	113	127	140	153	167	180	193	207	220
		Ps	.06	.08	.09	.12	.14	.16	.19	.22	.25	.29
		NC	<20	23	26	29	32	34	36	38	40	42
		Throw	6 8 17	6 10 19	7 11 22	8 12 24	9 13 25	9 14 26	10 15 28	11 16 29	12 18 29	12 19 30

30"	5" DIA (.136 ft ²)	CFM	70	82	93	105	117	128	140	152	163	175
		Ps	.05	.07	.09	.12	.15	.18	.21	.25	.29	.33
		NC	<20	20	24	27	30	33	36	38	40	42
		Throw	4 6 11	4 6 13	5 7 15	6 8 17	6 9 19	7 10 20	7 11 22	8 12 24	9 13 25	9 14 25
	6" OVAL (.181 ft ²)	CFM	80	92	104	117	129	141	153	166	178	190
		Ps	.06	.08	.10	.13	.16	.19	.23	.26	.30	.35
		NC	<20	21	25	28	31	34	36	39	41	43
		Throw	4 6 13	5 7 15	6 8 17	6 9 19	7 10 20	7 11 22	8 12 24	9 13 25	9 14 26	10 15 26
	8" OVAL (.289 ft ²)	CFM	90	104	119	133	148	162	177	191	206	220
		Ps	.05	.07	.09	.12	.14	.17	.21	.24	.28	.32
		NC	<20	21	25	28	31	34	36	39	41	43
		Throw	5 7 14	6 8 17	6 9 19	7 11 21	8 12 23	9 13 24	9 14 25	10 15 27	11 16 28	12 17 28
	10" OVAL (.395 ft ²)	CFM	100	116	131	147	162	178	193	209	224	240
		Ps	.05	.07	.09	.11	.14	.16	.19	.23	.26	.30
		NC	<20	20	24	28	31	33	36	38	40	42
		Throw	5 8 16	6 9 18	7 10 21	8 12 23	9 13 24	9 14 26	10 15 27	11 17 28	12 18 29	13 19 30
	12" OVAL (.682 ft ²)	CFM	110	127	143	160	177	193	210	227	243	260
		Ps	.05	.07	.09	.11	.13	.16	.19	.22	.25	.29
		NC	<20	21	25	28	31	33	36	38	40	42
		Throw	6 9 17	7 10 20	8 11 23	8 13 24	9 14 25	10 15 27	11 17 28	12 18 29	13 19 30	14 21 31

36"	5" DIA (.136 ft ²)	CFM	80	93	106	118	131	144	157	169	182	195
		Ps	.06	.07	.10	.12	.15	.18	.21	.25	.29	.33
		NC	<20	20	24	27	30	33	35	38	40	42
		Throw	4 6 12	5 7 14	5 8 16	6 9 17	6 10 19	7 11 21	8 12 22	8 13 23	9 14 24	10 15 25
	6" OVAL (.181 ft ²)	CFM	90	103	117	130	143	157	170	183	197	210
		Ps	.06	.08	.10	.13	.16	.19	.22	.25	.29	.33
		NC	<20	21	25	28	31	33	36	38	40	42
		Throw	4 7 13	5 8 15	6 9 17	6 10 19	7 11 21	8 12 22	8 13 23	9 14 24	10 15 25	10 16 26
	8" OVAL (.289 ft ²)	CFM	100	117	133	150	167	183	200	217	233	250
		Ps	.05	.07	.09	.12	.14	.17	.21	.24	.28	.32
		NC	<20	20	24	28	31	34	36	39	41	43
		Throw	5 7 15	6 9 17	7 10 20	7 11 22	8 12 23	9 13 24	10 15 25	11 16 26	11 17 27	12 18 28
	10" OVAL (.395 ft ²)	CFM	120	137	153	170	187	203	220	237	253	270
		Ps	.06	.07	.09	.12	.14	.17	.19	.22	.26	.29
		NC	<20	21	25	28	31	33	35	38	40	42
		Throw	6 9 18	7 10 20	8 11 22	8 13 23	9 14 24	10 15 25	11 16 26	12 17 27	12 19 28	13 20 29
	12" OVAL (.682 ft ²)	CFM	130	149	168	187	206	224	243	262	281	300
		Ps	.06	.07	.09	.11	.14	.16	.19	.22	.26	.29
		NC	<20	21	25	28	31	34	36	38	40	42
		Throw	6 10 19	7 11 22	8 12 23	9 14 24	10 15 25	11 17 27	12 18 28	13 19 29	14 21 30	15 22 31



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48"	5" DIA (.136 ft ²)	CFM	100			116			131			147			162			178			193			209			224			240		
		Ps	.06			.08			.10			.13			.16			.19			.22			.26			.30			.34		
		NC	<20			20			24			27			30			33			35			38			40			42		
		Throw	4	6	12	5	7	14	5	8	16	6	9	18	6	10	18	7	11	19	8	12	20	8	13	21	9	13	22	10	14	22
	6" OVAL (.181 ft ²)	CFM	110			127			143			160			177			193			210			227			243			260		
		Ps	.06			.08			.10			.13			.16			.19			.22			.26			.30			.34		
		NC	<20			21			24			28			31			33			36			38			40			42		
		Throw	4	7	13	5	8	15	6	9	17	6	10	18	7	11	19	8	12	20	8	13	21	9	14	22	10	15	23	10	16	23
	8" OVAL (.289 ft ²)	CFM	130			149			168			187			206			224			243			262			281			300		
		Ps	.06			.08			.10			.12			.15			.17			.20			.24			.27			.31		
		NC	<20			21			24			27			30			33			35			38			40			42		
		Throw	5	8	16	6	9	18	7	10	19	7	11	20	8	12	21	9	13	22	10	15	23	11	16	23	11	17	24	12	18	25
	10" OVAL (.395 ft ²)	CFM	140			162			184			207			229			251			273			296			318			340		
		Ps	.05			.07			.09			.11			.14			.16			.19			.23			.26			.30		
		NC	<20			20			23			27			30			33			35			37			40			42		
		Throw	6	8	17	6	10	18	7	11	20	8	12	21	9	14	22	10	15	23	11	16	24	12	18	25	13	18	26	14	19	27
12" OVAL (.682 ft ²)	CFM	160			184			209			233			258			282			307			331			356			380			
	Ps	.05			.07			.09			.11			.14			.17			.19			.23			.26			.30			
	NC	<20			21			24			28			31			33			36			38			40			42			
	Throw	6	10	18	7	11	20	8	13	21	9	14	22	10	15	23	11	17	24	12	18	25	13	19	26	14	19	27	15	20	28	

60"	5" DIA (.136 ft ²)	CFM	120			139			158			177			196			214			233			252			271			290		
		Ps	.07			.09			.12			.15			.18			.22			.26			.30			.35			.40		
		NC	<20			20			24			28			31			33			36			38			40			42		
		Throw	3	5	10	4	6	12	4	7	13	5	8	14	6	8	14	6	9	15	7	10	16	7	11	16	8	12	17	8	12	17
	6" OVAL (.181 ft ²)	CFM	140			159			178			197			216			234			253			272			291			310		
		Ps	.07			.10			.12			.15			.18			.21			.24			.28			.32			.37		
		NC	<20			22			26			29			31			34			36			38			40			42		
		Throw	4	6	12	5	7	13	5	8	14	6	8	14	6	9	15	7	10	16	7	11	16	8	12	17	8	12	17	9	13	18
	8" OVAL (.289 ft ²)	CFM	150			174			199			223			248			272			297			321			346			370		
		Ps	.06			.08			.10			.13			.15			.19			.22			.26			.30			.34		
		NC	<20			20			24			27			30			33			36			38			40			42		
		Throw	4	6	13	5	7	14	6	8	14	6	9	15	7	11	16	8	12	17	8	12	18	9	13	18	10	13	19	10	14	20
	10" OVAL (.395 ft ²)	CFM	170			198			226			253			281			309			337			364			392			420		
		Ps	.06			.08			.10			.12			.15			.19			.22			.26			.30			.34		
		NC	<20			21			25			28			31			34			36			39			41			43		
		Throw	5	7	13	6	8	14	6	10	15	7	11	16	8	12	17	9	13	18	10	13	19	10	14	20	11	14	20	12	15	21
12" OVAL (.682 ft ²)	CFM	180			210			240			270			300			330			360			390			420			450			
	Ps	.05			.07			.09			.11			.13			.16			.19			.23			.26			.30			
	NC	<20			20			23			27			30			33			35			38			40			42			
	Throw	5	8	14	6	9	15	7	10	16	8	11	17	8	13	18	9	13	19	10	14	19	11	14	20	12	15	21	13	15	22	

Test Standard

- ANSI / ASHRAE standard 70
- Isothermal air used during testing.

Throw

- The numbers shown are throw distances, in feet, measured from the diffuser relating to terminal velocities of 150, 100, & 50 fpm, with the jet attached to the ceiling surface.
- Terminal velocity is the air speed, in feet per minute, measured in the supply air stream.
- Throws shown are for 1-way discharge pattern. For 2 way, proportion air quantity based on number of slots in each direction and refer to the throw data applicable to each individual direction.

Sound Levels

- NC shown is the noise criteria curve that will not be exceeded at the operating point. This is determined by assuming a 10dB (ref: 10-12 watts) room attenuation that is subtracted from the power levels in each of the 2nd thru 7th octave bands.

Pressure

- PS represents static pressure, inches of water



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24"	5" DIA (.136 ft ²)	CFM	80	98	116	133	151	169	187	204	222	240
		Ps	.04	.05	.07	.10	.13	.16	.19	.23	.28	.32
		NC	<20	<20	20	25	28	32	35	37	40	42
		Throw	4 5 11	4 7 13	5 8 16	6 9 18	7 10 20	8 11 23	8 13 25	9 14 27	10 15 30	11 16 31
	6" OVAL (.181 ft ²)	CFM	100	118	136	153	171	189	207	224	242	260
		Ps	.05	.07	.09	.12	.14	.18	.21	.25	.29	.33
		NC	<20	<20	23	27	30	33	36	38	40	42
		Throw	4 7 13	5 8 16	6 9 18	7 10 21	8 11 23	8 13 25	9 14 28	10 15 30	11 16 31	12 17 32
	8" OVAL (.289 ft ²)	CFM	110	131	152	173	194	216	237	258	279	300
		Ps	.04	.06	.08	.10	.13	.16	.19	.23	.27	.31
		NC	<20	<20	21	25	29	32	35	37	39	42
		Throw	5 7 15	6 9 18	7 10 20	8 12 23	9 13 26	10 14 29	11 16 30	12 17 32	12 19 33	13 20 34
	10" OVAL (.395 ft ²)	CFM	130	153	177	200	223	247	270	293	317	340
		Ps	.04	.06	.08	.10	.13	.15	.18	.22	.25	.29
		NC	<20	<20	22	26	29	32	35	37	40	42
		Throw	6 9 17	7 10 21	8 12 24	9 13 27	10 15 30	11 17 31	12 18 33	13 20 34	14 21 35	15 23 37
	12" OVAL (.682 ft ²)	CFM	150	174	199	223	248	272	297	321	346	370
		Ps	.05	.07	.09	.11	.14	.17	.20	.23	.27	.31
		NC	<20	20	24	27	30	33	36	38	40	42
		Throw	7 10 20	8 12 23	9 13 27	10 15 30	11 17 31	12 18 33	13 20 34	14 22 35	15 23 37	17 25 38

30"	5" DIA (.136 ft ²)	CFM	80	102	124	147	169	191	213	236	258	280
		Ps	.03	.05	.07	.10	.13	.16	.20	.25	.30	.35
		NC	<20	<20	<20	23	27	31	34	37	40	42
		Throw	3 5 10	4 6 13	5 8 16	6 9 18	7 11 21	8 12 24	9 13 27	10 15 28	11 16 30	12 18 31
	6" OVAL (.181 ft ²)	CFM	100	122	144	167	189	211	233	256	278	300
		Ps	.04	.06	.08	.10	.13	.16	.20	.24	.28	.33
		NC	<20	<20	21	25	28	32	35	37	40	42
		Throw	4 6 13	5 8 15	6 9 18	7 10 21	8 12 24	9 13 26	10 15 28	11 16 30	12 17 31	13 19 32
	8" OVAL (.289 ft ²)	CFM	120	147	173	200	227	253	280	307	333	360
		Ps	.04	.06	.08	.10	.13	.17	.21	.25	.29	.34
		NC	<20	<20	21	25	29	32	35	38	40	42
		Throw	5 8 15	6 9 18	7 11 22	8 13 25	9 14 28	11 16 29	12 18 31	13 19 32	14 21 34	15 23 35
	10" OVAL (.395 ft ²)	CFM	140	169	198	227	256	284	313	342	371	400
		Ps	.04	.05	.08	.10	.13	.16	.19	.23	.26	.31
		NC	<20	<20	21	25	29	32	35	37	40	42
		Throw	6 9 18	7 11 21	8 12 25	9 14 28	11 16 30	12 18 31	13 20 33	14 21 34	16 23 36	17 25 37
	12" OVAL (.682 ft ²)	CFM	170	200	230	260	290	320	350	380	410	440
		Ps	.05	.07	.09	.11	.14	.17	.20	.24	.28	.32
		NC	<20	<20	23	27	30	33	36	38	40	42
		Throw	7 11 21	8 13 25	10 14 28	11 16 30	12 18 32	13 20 33	15 22 35	16 24 36	17 26 38	18 27 39

36"	5" DIA (.136 ft ²)	CFM	90	116	141	167	192	218	243	269	294	320
		Ps	.03	.05	.07	.10	.13	.17	.21	.26	.31	.37
		NC	<20	<20	<20	23	27	31	34	37	40	42
		Throw	3 5 10	4 7 13	5 8 16	6 10 19	7 11 22	8 13 25	9 14 27	10 16 28	11 17 29	12 19 31
	6" OVAL (.181 ft ²)	CFM	120	144	169	193	218	242	267	291	316	340
		Ps	.04	.06	.08	.11	.14	.17	.20	.24	.28	.33
		NC	<20	<20	21	25	29	32	35	37	40	42
		Throw	5 7 14	6 8 17	7 10 20	7 11 22	8 13 25	9 14 27	10 15 28	11 17 29	12 18 30	13 20 32
	8" OVAL (.289 ft ²)	CFM	140	170	200	230	260	290	320	350	380	410
		Ps	.04	.06	.08	.11	.14	.17	.21	.25	.30	.35
		NC	<20	<20	21	25	29	32	35	37	40	42
		Throw	5 8 16	7 10 20	8 12 23	9 13 26	10 15 28	11 17 29	12 19 31	14 20 32	15 22 33	16 24 35
	10" OVAL (.395 ft ²)	CFM	160	193	227	260	293	327	360	393	427	460
		Ps	.04	.06	.08	.10	.13	.16	.20	.23	.28	.32
		NC	<20	<20	21	25	29	32	35	38	40	42
		Throw	6 9 19	7 11 22	9 13 26	10 15 28	11 17 29	13 19 31	14 21 33	15 23 34	17 25 35	18 26 37
	12" OVAL (.682 ft ²)	CFM	180	216	251	287	322	358	393	429	464	500
		Ps	.04	.06	.08	.11	.13	.16	.20	.24	.28	.32
		NC	<20	<20	21	25	29	32	35	37	40	42
		Throw	7 10 21	8 13 25	10 15 27	11 17 29	12 19 31	14 21 32	15 23 34	17 25 36	18 26 37	19 27 38



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48"	5" DIA (.136 ft ²)	CFM	140			169			198			227			256			284			313			342			371			400		
		Ps	.05			.07			.10			.13			.17			.20			.25			.30			.35			.40		
		NC	<20			<20			21			25			29			32			35			38			40			42		
		Throw	4	7	13	5	8	16	6	9	19	7	11	21	8	12	22	9	13	24	10	15	25	11	16	26	12	18	27	13	19	28
	6" OVAL (.181 ft ²)	CFM	160			190			220			250			280			310			340			370			400			430		
		Ps	.05			.07			.09			.12			.15			.18			.22			.26			.30			.34		
		NC	<20			<20			23			26			30			33			35			38			40			42		
		Throw	5	8	15	6	9	18	7	10	21	8	12	22	9	13	23	10	15	25	11	16	26	12	18	27	13	19	28	14	20	29
	8" OVAL (.289 ft ²)	CFM	180			217			253			290			327			363			400			437			473			510		
		Ps	.04			.06			.09			.11			.15			.18			.22			.26			.31			.36		
		NC	<20			<20			21			25			29			32			35			37			40			42		
		Throw	6	9	17	7	10	21	8	12	22	9	14	24	10	15	25	11	17	27	13	19	28	14	21	29	15	22	30	16	22	32
	10" OVAL (.395 ft ²)	CFM	200			242			284			327			369			411			453			496			538			580		
		Ps	.04			.06			.08			.11			.14			.17			.21			.25			.29			.34		
		NC	<20			<20			21			25			29			32			35			38			40			42		
		Throw	6	9	19	8	11	22	9	13	24	10	15	25	12	17	27	13	20	28	14	21	30	16	22	31	17	23	32	18	24	34
	12" OVAL (.682 ft ²)	CFM	220			267			313			360			407			453			500			547			593			640		
		Ps	.04			.06			.08			.11			.14			.17			.21			.25			.29			.34		
		NC	<20			<20			21			25			29			32			35			37			40			42		
		Throw	7	10	21	8	13	23	10	15	25	11	17	27	13	19	28	14	21	30	16	22	31	17	23	33	19	24	34	20	25	35

60"	5" DIA (.136 ft ²)	CFM	160			194			229			263			298			332			367			401			436			470		
		Ps	.05			.08			.10			.14			.18			.22			.27			.32			.38			.44		
		NC	<20			<20			21			25			28			32			35			37			40			42		
		Throw	4	5	11	4	7	13	5	8	15	6	9	16	7	10	17	7	11	18	8	12	19	9	13	20	10	15	21	11	15	21
	6" OVAL (.181 ft ²)	CFM	180			216			251			287			322			358			393			429			464			500		
		Ps	.04			.06			.08			.11			.14			.17			.21			.25			.29			.33		
		NC	<20			<20			21			25			29			32			35			37			40			42		
		Throw	4	6	12	5	7	14	6	8	16	6	10	17	7	11	18	8	12	19	9	13	20	10	14	21	10	15	21	11	16	22
	8" OVAL (.289 ft ²)	CFM	200			244			289			333			378			422			467			511			556			600		
		Ps	.04			.06			.08			.11			.14			.17			.21			.25			.30			.35		
		NC	<20			<20			20			25			28			32			35			37			40			42		
		Throw	4	7	13	5	8	15	6	10	17	7	11	18	8	13	19	9	14	20	10	15	21	11	16	22	12	16	23	13	17	24
	10" OVAL (.395 ft ²)	CFM	220			269			318			367			416			464			513			562			611			660		
		Ps	.03			.05			.07			.10			.12			.16			.19			.23			.27			.31		
		NC	<20			<20			20			24			28			31			34			37			39			42		
		Throw	5	7	15	6	9	16	7	11	18	8	12	19	9	14	20	10	15	21	11	16	22	13	17	23	14	17	24	15	18	25
	12" OVAL (.682 ft ²)	CFM	240			298			356			413			471			529			587			644			702			760		
		Ps	.03			.05			.08			.10			.13			.17			.21			.25			.30			.35		
		NC	<20			<20			20			24			28			31			34			37			40			42		
		Throw	5	8	15	7	10	17	8	12	19	9	14	20	11	15	21	12	16	23	13	17	24	14	18	25	15	19	26	16	19	27

Test Standard

- ANSI / ASHRAE standard 70
- Isothermal air used during testing.

Throw

- The numbers shown are throw distances, in feet, measured from the diffuser relating to terminal velocities of 150, 100, & 50 fpm, with the jet attached to the ceiling surface.
- Terminal velocity is the air speed, in feet per minute, measured in the supply air stream.
- Throws shown are for 1-way discharge pattern. For 2 way, proportion air quantity based on number of slots in each direction and refer to the throw data applicable to each individual direction.

Sound Levels

- NC shown is the noise criteria curve that will not be exceeded at the operating point. This is determined by assuming a 10dB (ref: 10-12 watts) room attenuation that is subtracted from the power levels in each of the 2nd thru 7th octave bands.

Pressure

- PS represents static pressure, inches of water



SCD-15 • 1-1/2" SLOT WIDTH • 3 SLOT • ONE WAY DISCHARGE

24"	5" DIA (.136 ft²)	CFM	100			121			142			163			184			206			227			248			269			290		
		Ps	.03			.04			.06			.08			.10			.13			.16			.19			.22			.26		
		NC	<20			<20			21			25			28			31			34			37			39			42		
		Throw	4	6	12	5	7	14	6	8	17	6	9	19	7	11	21	8	12	24	9	13	26	10	14	29	10	16	31	11	17	34
	6" DIA (.196 ft²)	CFM	110			132			154			177			199			221			243			266			288			310		
		Ps	.03			.04			.06			.07			.09			.12			.14			.17			.20			.23		
		NC	<20			<20			21			25			29			32			34			37			39			42		
		Throw	4	6	13	5	8	15	6	9	18	7	10	21	8	12	23	9	13	26	9	14	28	10	15	31	11	17	33	12	18	36
	8" DIA (.349 ft²)	CFM	140			174			209			243			278			312			347			381			416			450		
		Ps	.03			.05			.07			.09			.12			.15			.18			.22			.27			.31		
		NC	<20			<20			<20			24			28			31			34			37			40			42		
		Throw	5	8	16	7	10	20	8	12	24	9	14	28	11	16	32	12	18	36	13	20	38	15	22	40	16	24	42	17	26	44
	10" OVAL (.395 ft²)	CFM	180			224			269			313			358			402			447			491			536			580		
		Ps	.03			.05			.07			.10			.13			.16			.20			.24			.28			.33		
		NC	<20			<20			20			24			28			32			35			38			40			42		
		Throw	7	10	21	9	13	26	10	16	31	12	18	36	14	21	39	16	23	41	17	26	43	19	29	45	21	31	47	22	34	49
	12" OVAL (.682 ft²)	CFM	200			247			293			340			387			433			480			527			573			620		
		Ps	.03			.05			.07			.10			.13			.16			.20			.24			.28			.33		
		NC	<20			<20			20			25			28			32			35			38			40			42		
		Throw	8	12	23	10	14	29	11	17	34	13	20	38	15	22	40	17	25	43	19	28	45	20	31	47	22	33	49	24	36	51

30"	5" DIA (.136 ft²)	CFM	100			124			149			173			198			222			247			271			296			320		
		Ps	.03			.04			.06			.08			.10			.13			.16			.19			.23			.27		
		NC	<20			<20			20			24			28			32			35			37			40			42		
		Throw	4	5	11	5	7	14	5	8	16	6	9	19	7	11	22	8	12	24	9	13	27	10	15	29	11	16	32	12	17	34
	6" DIA (.196 ft²)	CFM	110			136			161			187			212			238			263			289			314			340		
		Ps	.02			.03			.05			.07			.09			.11			.13			.16			.19			.22		
		NC	<20			<20			20			24			28			32			35			37			40			42		
		Throw	4	6	12	5	7	15	6	9	18	7	10	20	8	12	23	9	13	26	10	14	29	10	16	31	11	17	34	12	18	35
	8" DIA (.349 ft²)	CFM	160			196			231			267			302			338			373			409			444			480		
		Ps	.03			.05			.06			.09			.11			.14			.17			.20			.24			.28		
		NC	<20			<20			20			24			28			31			34			37			39			42		
		Throw	6	9	17	7	11	21	8	13	25	10	15	29	11	16	33	12	18	35	14	20	37	15	22	39	16	24	40	17	26	42
	10" OVAL (.395 ft²)	CFM	200			246			291			337			382			428			473			519			564			610		
		Ps	.03			.05			.07			.09			.11			.14			.18			.21			.25			.29		
		NC	<20			<20			20			24			28			31			34			37			39			42		
		Throw	7	11	22	9	13	27	11	16	32	12	18	35	14	21	38	16	23	40	17	26	42	19	28	44	20	31	46	22	33	47
	12" OVAL (.682 ft²)	CFM	240			289			338			387			436			484			533			582			631			680		
		Ps	.04			.05			.07			.10			.12			.15			.18			.22			.26			.30		
		NC	<20			<20			21			25			28			32			34			37			39			42		
		Throw	9	13	26	10	16	31	12	18	35	14	21	38	16	24	40	18	26	42	19	29	44	21	32	46	23	34	48	25	35	50

36"	5" DIA (.136 ft²)	CFM	120			144			169			193			218			242			267			291			316			340		
		Ps	.03			.05			.06			.08			.11			.13			.16			.19			.22			.26		
		NC	<20			<20			21			25			29			32			35			38			40			42		
		Throw	4	6	12	5	7	15	6	9	17	6	10	19	7	11	22	8	12	24	9	13	27	10	15	29	11	16	32	11	17	33
	6" DIA (.196 ft²)	CFM	140			164			189			213			238			262			287			311			336			360		
		Ps	.03			.04			.05			.07			.09			.11			.13			.15			.17			.20		
		NC	<20			<20			23			26			30			32			35			37			40			42		
		Throw	5	7	14	6	8	17	6	10	19	7	11	21	8	12	24	9	13	26	10	14	29	10	16	31	11	17	33	12	18	34
	8" DIA (.349 ft²)	CFM	180			218			256			293			331			369			407			444			482			520		
		Ps	.03			.05			.06			.08			.11			.13			.16			.19			.23			.26		
		NC	<20			<20			21			25			28			32			35			37			40			42		
		Throw	6	9	18	7	11	22	9	13	26	10	15	30	11	17	32	12	19	34	14	20	36	15	22	37	16	24	39	17	26	40
	10" OVAL (.395 ft²)	CFM	220			269			318			367			416			464			513			562			611			660		
		Ps	.03			.05			.06			.09			.11			.14			.17			.20			.24			.28		
		NC	<20			<20			20			24			28			31			34			37			39			42		
		Throw	7	11	22	9	14	27	11	16	32	12	18	34	14	21	36	16	23	38	17	26	40	19	28	42	21	31	44	22	32	46
	12" OVAL (.682 ft²)	CFM	260			316			371			427			482			538			593			649			704			760		
		Ps	.03			.05			.07			.09			.12			.14			.18			.21			.25			.29		
		NC	<20			<20			20			25			28			31			34			37			39			42		
		Throw	9	13	26	11	16	32	12	19	34	14	21	37	16	24	39	18	27	41	20	30	43	22	32	45	24	33	47	26	35	49



SCD-15 • 1-1/2" SLOT WIDTH • 3 SLOT • ONE WAY DISCHARGE

48"	5" DIA (.136 ft ²)	CFM	140			167			193			220			247			273			300			327			353			380		
		Ps	.03			.05			.06			.08			.11			.13			.16			.18			.22			.25		
		NC	<20			<20			22			26			29			32			35			37			40			42		
		Throw	4	6	12	5	7	14	5	8	16	6	9	18	7	10	20	7	11	22	8	12	25	9	13	26	10	15	27	10	16	28
	6" DIA (.196 ft ²)	CFM	160			188			216			243			271			299			327			354			382			410		
		Ps	.03			.04			.05			.06			.08			.10			.11			.13			.16			.18		
		NC	<20			<20			23			26			30			33			35			38			40			42		
		Throw	4	7	13	5	8	15	6	9	18	7	10	20	7	11	22	8	12	25	9	13	26	10	15	27	10	16	28	11	17	29
	8" DIA (.349 ft ²)	CFM	190			236			281			327			372			418			463			509			554			600		
		Ps	.02			.04			.05			.07			.09			.12			.14			.17			.21			.24		
		NC	<20			<20			20			24			28			31			34			37			40			42		
		Throw	5	8	16	6	10	19	8	12	23	9	13	26	10	15	28	11	17	30	13	19	31	14	21	33	15	23	34	16	25	36
	10" OVAL (.395 ft ²)	CFM	260			316			371			427			482			538			593			649			704			760		
		Ps	.03			.04			.06			.08			.10			.13			.16			.19			.22			.26		
		NC	<20			<20			21			25			28			32			35			37			40			42		
		Throw	7	11	21	9	13	26	10	15	28	12	18	30	13	20	32	15	22	34	16	24	35	18	26	37	19	27	38	21	28	40
	12" OVAL (.682 ft ²)	CFM	320			387			453			520			587			653			720			787			853			920		
		Ps	.03			.05			.07			.09			.11			.14			.17			.20			.24			.27		
		NC	<20			<20			21			25			28			32			34			37			40			42		
		Throw	9	13	26	11	16	29	12	19	31	14	21	33	16	24	35	18	26	37	20	28	39	22	29	41	23	30	42	25	31	44

60"	5" DIA (.136 ft ²)	CFM	160			190			220			250			280			310			340			370			400			430		
		Ps	.04			.05			.07			.09			.11			.14			.17			.20			.23			.27		
		NC	<20			<20			23			26			30			33			35			38			40			42		
		Throw	3	5	9	4	6	11	4	6	13	5	7	15	5	8	16	6	9	18	7	10	19	7	11	20	8	12	21	8	12	21
	6" DIA (.196 ft ²)	CFM	180			211			242			273			304			336			367			398			429			460		
		Ps	.03			.04			.05			.06			.07			.09			.11			.13			.15			.17		
		NC	<20			<20			23			27			30			33			36			38			40			42		
		Throw	3	5	10	4	6	12	5	7	14	5	8	16	6	9	18	7	10	19	7	11	20	8	12	20	8	12	21	9	13	22
	8" DIA (.349 ft ²)	CFM	220			267			313			360			407			453			500			547			593			640		
		Ps	.02			.04			.05			.07			.08			.10			.13			.15			.18			.21		
		NC	<20			<20			21			25			29			32			35			37			40			42		
		Throw	4	6	13	5	8	16	6	9	18	7	10	19	8	12	21	9	13	22	10	15	23	11	16	24	11	17	25	12	18	26
	10" OVAL (.395 ft ²)	CFM	300			360			420			480			540			600			660			720			780			840		
		Ps	.03			.05			.06			.08			.11			.13			.16			.19			.22			.25		
		NC	<20			<20			21			25			29			32			35			37			40			42		
		Throw	6	9	17	7	10	19	8	12	21	9	14	22	10	16	24	12	17	25	13	19	26	14	19	28	15	20	29	16	21	30
	12" OVAL (.682 ft ²)	CFM	340			418			496			573			651			729			807			884			962			1040		
		Ps	.03			.04			.06			.08			.11			.14			.17			.20			.24			.28		
		NC	<20			<20			20			25			29			32			35			38			40			42		
		Throw	7	10	19	8	12	21	10	14	23	11	17	25	13	18	26	14	20	28	16	21	29	17	22	30	18	22	32	19	23	33

Test Standard

- ANSI / ASHRAE standard 70
- Isothermal air used during testing.

Throw

- The numbers shown are throw distances, in feet, measured from the diffuser relating to terminal velocities of 150, 100, & 50 fpm, with the jet attached to the ceiling surface.
- Terminal velocity is the air speed, in feet per minute, measured in the supply air stream.
- Throws shown are for 1-way discharge pattern. For 2 way, proportion air quantity based on number of slots in each direction and refer to the throw data applicable to each individual direction.

Sound Levels

- NC shown is the noise criteria curve that will not be exceeded at the operating point. This is determined by assuming a 10dB (ref: 10-12 watts) room attenuation that is subtracted from the power levels in each of the 2nd thru 7th octave bands.

Pressure

- PS represents static pressure, inches of water



SCD-15 • 1-1/2" SLOT WIDTH • 4 SLOT • ONE WAY DISCHARGE

24"	5" DIA (.136 ft ²)	CFM	110			136			161			187			212			238			263			289			314			340		
		Ps	.03			.04			.06			.08			.11			.14			.17			.20			.24			.28		
		NC	<20			<20			20			25			28			32			35			38			40			42		
		Throw	4	6	12	5	7	15	6	9	17	7	10	20	8	11	23	9	13	26	10	14	28	11	16	31	12	18	34	13	19	36
	6" DIA (.196 ft ²)	CFM	130			156			181			207			232			258			283			309			334			360		
		Ps	.03			.04			.06			.07			.09			.12			.14			.17			.19			.22		
		NC	<20			<20			22			26			29			32			35			38			40			42		
		Throw	5	7	14	6	8	17	6	10	19	7	11	22	8	12	25	9	14	28	10	15	30	11	17	33	12	18	36	13	19	38
	8" DIA (.349 ft ²)	CFM	140			180			220			260			300			340			380			420			460			500		
		Ps	.02			.03			.05			.07			.09			.12			.15			.18			.22			.26		
		NC	<20			<20			<20			22			27			30			34			37			39			42		
		Throw	5	8	15	6	10	19	8	12	24	9	14	28	11	16	32	12	18	36	14	20	39	15	23	41	16	25	42	18	27	44
	10" OVAL (.395 ft ²)	CFM	210			258			306			353			401			449			497			544			592			640		
		Ps	.03			.05			.07			.09			.11			.14			.17			.21			.25			.29		
		NC	<20			<20			20			24			28			31			34			37			40			42		
		Throw	8	11	23	9	14	28	11	16	33	13	19	37	14	22	40	16	24	42	18	27	44	19	29	46	21	32	48	23	34	50
	12" OVAL (.682 ft ²)	CFM	240			289			338			387			436			484			533			582			631			680		
		Ps	.04			.05			.07			.09			.12			.15			.18			.21			.25			.29		
		NC	<20			<20			21			25			28			32			34			37			39			42		
		Throw	9	13	26	10	16	31	12	18	36	14	21	39	16	23	41	17	26	44	19	29	46	21	31	48	23	34	50	24	36	52

30"	5" DIA (.136 ft ²)	CFM	130			160			190			220			250			280			310			340			370			400		
		Ps	.03			.05			.06			.09			.11			.14			.17			.20			.24			.28		
		NC	<20			<20			20			25			28			32			35			37			40			42		
		Throw	4	7	13	5	8	16	6	10	19	7	11	22	8	13	25	9	14	28	10	16	31	11	17	34	12	19	36	13	20	37
	6" DIA (.196 ft ²)	CFM	150			181			212			243			274			306			337			368			399			430		
		Ps	.03			.04			.06			.08			.10			.12			.15			.18			.21			.24		
		NC	<20			<20			22			26			29			32			35			38			40			42		
		Throw	5	8	15	6	9	18	7	11	21	8	12	24	9	14	28	10	15	31	11	17	34	12	18	36	13	20	37	14	22	38
	8" DIA (.349 ft ²)	CFM	180			220			260			300			340			380			420			460			500			540		
		Ps	.03			.04			.06			.07			.10			.12			.15			.17			.21			.24		
		NC	<20			<20			20			24			28			31			34			37			39			42		
		Throw	6	9	18	7	11	22	9	13	26	10	15	30	11	17	34	13	19	36	14	21	38	15	23	40	17	25	41	18	27	43
	10" OVAL (.395 ft ²)	CFM	230			282			334			387			439			491			543			596			648			700		
		Ps	.03			.04			.06			.08			.11			.14			.17			.20			.24			.28		
		NC	<20			<20			20			24			28			31			34			37			40			42		
		Throw	8	12	23	9	14	28	11	17	34	13	19	36	15	22	39	16	25	41	18	27	43	20	30	45	22	33	47	23	35	49
	12" OVAL (.682 ft ²)	CFM	260			317			373			430			487			543			600			657			713			770		
		Ps	.03			.05			.07			.09			.11			.14			.17			.20			.24			.28		
		NC	<20			<20			20			24			28			31			34			37			39			42		
		Throw	9	13	26	11	16	32	12	19	36	14	22	38	16	24	41	18	27	43	20	30	45	22	33	47	24	35	49	26	36	51

36"	5" DIA (.136 ft ²)	CFM	50			94			139			183			228			272			317			361			406			450		
		Ps	.01			.01			.03			.05			.07			.10			.14			.18			.22			.28		
		NC	<20			<20			<20			<20			21			27			31			35			38			42		
		Throw	2	2	5	3	4	9	4	6	13	6	9	17	7	11	21	8	13	25	10	15	29	11	17	33	13	19	35	14	21	36
	6" DIA (.196 ft ²)	CFM	60			108			156			203			251			299			347			394			442			490		
		Ps	.01			.01			.02			.04			.06			.09			.12			.16			.20			.24		
		NC	<20			<20			<20			<20			22			27			32			36			39			42		
		Throw	2	3	6	3	5	10	5	7	14	6	9	19	8	12	23	9	14	28	11	16	32	12	18	34	14	21	36	15	23	38
	8" DIA (.349 ft ²)	CFM	70			127			183			240			297			353			410			467			523			580		
		Ps	.01			.01			.02			.04			.06			.08			.11			.14			.18			.22		
		NC	<20			<20			<20			<20			22			27			32			35			39			42		
		Throw	2	3	7	4	6	12	6	9	17	7	11	22	9	14	28	11	16	32	13	19	35	14	22	37	16	24	39	18	27	41
	10" OVAL (.395 ft ²)	CFM	80			156			231			307			382			458			533			609			684			760		
		Ps	.01			.01			.02			.04			.07			.10			.13			.17			.22			.27		
		NC	<20			<20			<20			<20			22			27			32			35			39			42		
		Throw	2	4	7	5	7	14	7	11	21	10	14	29	12	18	34	14	21	37	17	25	40	19	28	42	21	32	45	24	33	47
	12" OVAL (.682 ft ²)	CFM	90			178			266			353			441			529			617			704			792			880		
		Ps	.01			.01			.03			.05			.07			.10			.14			.18			.23			.28		
		NC	<20			<20			<20			<20			22			27			32			36			39			42		
		Throw	3	4	8	6	8	17	8	12	25	11	16	32	14	21	36	16	25	39	19	29	43	22	32	46	25	34	48	27	36	51



SCD-15 • 1-1/2" SLOT WIDTH • 4 SLOT • ONE WAY DISCHARGE

48"	5" DIA (.136 ft ²)	CFM	200				242				284				327				369				411				453				496				538				580			
		Ps	.04				.05				.07				.09				.12				.15				.18				.22				.25				.30			
		NC	<20				<20				21				25				29				32				35				37				40				42			
		Throw	5	8	15	6	9	18	7	11	22	8	12	25	9	14	27	10	16	28	11	17	30	13	19	31	14	20	32	15	22	34										
	6" DIA (.196 ft ²)	CFM	220				264				309				353				398				442				487				531				576				620			
		Ps	.03				.05				.06				.08				.11				.13				.16				.19				.22				.26			
		NC	<20				<20				21				25				29				32				35				37				40				42			
		Throw	6	8	17	7	10	20	8	12	23	9	13	26	10	15	28	11	17	29	12	18	31	13	20	32	15	22	34	16	24	35										
	8" DIA (.349 ft ²)	CFM	240				287				333				380				427				473				520				567				613				660			
		Ps	.03				.04				.05				.07				.08				.10				.12				.15				.17				.20			
		NC	<20				<20				22				26				29				32				35				37				40				42			
		Throw	6	9	18	7	11	22	8	13	25	10	14	27	11	16	29	12	18	30	13	20	32	14	22	33	16	23	35	17	25	36										
	10" OVAL (.395 ft ²)	CFM	280				344				409				473				538				602				667				731				796				860			
		Ps	.03				.04				.05				.07				.09				.12				.15				.17				.21				.24			
		NC	<20				<20				20				24				28				31				34				37				39				42			
		Throw	7	11	21	9	13	26	10	16	28	12	18	30	14	20	32	15	23	34	17	25	36	18	27	38	20	28	39	22	29	41										
	12" OVAL (.682 ft ²)	CFM	340				419				498				577				656				734				813				892				971				1050			
		Ps	.03				.04				.06				.08				.10				.13				.16				.19				.23				.26			
		NC	<20				<20				20				24				28				31				34				37				39				42			
		Throw	9	13	26	11	16	29	13	19	31	15	22	34	17	25	36	19	27	38	21	28	40	23	30	42	25	31	44	26	32	45										

60"	5" DIA (.136 ft ²)	CFM	220				267				313				360				407				453				500				547				593				640			
		Ps	.04				.06				.08				.10				.13				.16				.20				.24				.28				.33			
		NC	<20				<20				21				25				29				32				35				37				40				42			
		Throw	4	6	12	5	7	14	6	8	17	6	10	19	7	11	20	8	12	21	9	13	22	10	15	23	11	16	24	11	17	25										
	6" DIA (.196 ft ²)	CFM	260				307				353				400				447				493				540				587				633				680			
		Ps	.04				.06				.07				.09				.12				.14				.17				.20				.23				.27			
		NC	<20				<20				22				26				29				32				35				37				40				42			
		Throw	5	7	14	5	8	16	6	9	19	7	11	20	8	12	21	9	13	22	10	14	23	10	16	24	11	17	25	12	18	26										
	8" DIA (.349 ft ²)	CFM	280				331				382				433				484				536				587				638				689				740			
		Ps	.03				.04				.05				.07				.09				.11				.13				.15				.18				.21			
		NC	<20				<20				23				26				30				33				35				38				40				42			
		Throw	5	8	15	6	9	18	7	10	19	8	12	21	9	13	22	10	14	23	10	16	24	11	17	25	12	18	26	13	19	27										
	10" OVAL (.395 ft ²)	CFM	340				409				478				547				616				684				753				822				891				960			
		Ps	.03				.04				.06				.08				.10				.12				.15				.17				.20				.24			
		NC	<20				<20				21				25				29				32				35				37				40				42			
		Throw	6	9	18	7	11	20	9	13	22	10	15	23	11	17	25	12	18	26	13	19	27	15	20	28	16	21	30	17	22	31										
	12" OVAL (.682 ft ²)	CFM	400				487				573				660				747				833				920				1007				1093				1180			
		Ps	.03				.05				.06				.08				.11				.13				.16				.19				.23				.27			
		NC	<20				<20				21				25				29				32				35				37				40				42			
		Throw	7	11	20	9	13	22	10	15	24	12	18	25	13	19	27	15	20	29	16	21	30	18	22	31	19	23	33	20	24	34										

Test Standard

- ANSI / ASHRAE standard 70
- Isothermal air used during testing.

Throw

- The numbers shown are throw distances, in feet, measured from the diffuser relating to terminal velocities of 150, 100, & 50 fpm, with the jet attached to the ceiling surface.
- Terminal velocity is the air speed, in feet per minute, measured in the supply air stream.
- Throws shown are for 1-way discharge pattern. For 2 way, proportion air quantity based on number of slots in each direction and refer to the throw data applicable to each individual direction.

Sound Levels

- NC shown is the noise criteria curve that will not be exceeded at the operating point. This is determined by assuming a 10dB (ref: 10-12 watts) room attenuation that is subtracted from the power levels in each of the 2nd thru 7th octave bands.

Pressure

- PS represents static pressure, inches of water

