SCD-10 • 1" SLOT WIDTH • 1 SLOT • ONE WAY DISCHARGE

		CFM	40	48	56	63	71	79	87	94	102	110
	5" DIA	Ps	.04	.06	.08	.10	.13	.16	.19	.22	.26	.30
	(.136 ft ²)	NC	<20	<20	21	25	29	32	34	37	39	42
	, ,	Throw	3 4 9	4 5 11	4 6 12	5 7 14	5 8 16	6 9 18	6 10 19	7 11 21	8 11 23	8 12 24
		CFM	50	58	66	73	81	89	97	104	112	120
	6" OVAL	Ps	.06	.07	.10	.12	.15	.18	.21	.24	.28	.32
	(.181 ft ²)	NC	<20	20	24	28	30	33	36	38	40	42
	(.10111)	Throw	4 6 11	4 6 13	5 7 15	5 8 16	6 9 18	7 10 20	7 11 22	8 12 23	8 13 24	9 13 25
		CFM	60	69	78	87	96	104	113	122	131	140
	8" OVAL	Ps	.05	.07	.09	.11	.14	.16	.19	.22	.26	.29
24"	(.289 ft ²)	NC	<20	22	26	29	32	35	37	39	41	43
2	(.209 11)	Throw	4 7 13	5 8 15	6 9 17	6 10 19	7 11 21	8 12 23	8 13 24	9 14 25	10 15 26	10 16 27
		CFM	70	80	90	100	110	120	130	140	150	160
	10" OVAL		.07	.09				.19	.23	.26		
	0	Ps		22	.11	.13 29	.16	34	37	39	.30 41	.34 43
	(.395 ft ²)	NC	<20	 	26		32					
		Throw	5 8 16	6 9 18	7 10 20	7 11 22	8 12 24	9 13 25	10 15 26	10 16 27	11 17 28	12 18 29
	4011 00 /44	CFM	80	90	100	110	120	130	140	150	160	170
	12" OVAL	Ps	.08	.10	.12	.14	.17	.20	.23	.26	.30	.34
	(.682 ft ²)	NC	<20	23	26	29	31	34	36	38	40	42
		Throw	6 9 18	7 10 20	7 11 22	8 12 24	9 13 25	10 15 26	10 16 27	11 17 28	12 18 29	13 19 30
		05::	F-0	F.	0.0		0.2	0.1	460	440	161	460
	511 514	CFM	50	59	68	77	86	94	103	112	121	130
	5" DIA	Ps	.05	.06	.09	.11	.14	.17	.20	.24	.27	.32
	(.136 ft ²)	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 20	7 11 22	8 12 22	8 13 23	9 14 24
		CFM	60	69	78	87	96	104	113	122	131	140
	6" OVAL	Ps	.06	.08	.10	.13	.15	.18	.22	.25	.29	.33
	(.181 ft ²)	NC	<20	22	25	28	31	34	36	38	41	42
		Throw	4 6 13	5 7 14	5 8 16	6 9 18	7 10 20	7 11 22	8 12 23	9 13 23	9 14 24	10 15 25
		CFM	70	80	90	100	110	120	130	140	150	160
30"	8" OVAL	Ps	.06	.07	.09	.11	.14	.16	.19	.22	.26	.29
က	(.289 ft ²)	NC	<20	22	26	29	31	34	36	39	41	43
		Throw	5 7 15	6 8 17	6 9 19	7 10 21	8 12 22	8 13 23	9 14 24	10 15 25	10 16 26	11 17 27
		CFM	80	91	102	113	124	136	147	158	169	180
	10" OVAL	Ps	.06	.08	.10	.12	.15	.18	.21	.24	.28	.31
	(.395 ft ²)	NC	<20	22	25	28	31	34	36	38	40	42
		Throw	6 8 17	6 10 19	7 11 21	8 12 23	9 13 24	9 14 25	10 15 26	11 17 27	12 18 28	13 19 28
		CFM	90	102	114	127	139	151	163	176	188	200
	12" OVAL	Ps	.07	.09	.11	.13	.16	.19	.22	.25	.29	.33
	(.682 ft ²)	NC	<20	23	26	29	32	34	36	39	41	42
		Throw	6 9 19	7 11 21	8 12 23	9 13 24	10 15 25	11 16 26	11 17 27	12 18 28	13 20 29	14 21 30
										15	16.5	
		CFM	60	69	79	88	98	107	117	126	136	145
	5" DIA	Ps	.05	.07	.09	.11	.14	.17	.20	.23	.27	.30
	(.136 ft ²)	NC	<20	20	24	27	30	33	35	38	40	42
		Throw	4 6 12	4 7 13	5 8 15	6 9 17	6 9 19	7 10 20	8 11 21	8 12 22	9 13 23	9 14 24
		CFM	70	80	90	100	110	120	130	140	150	160
	6" OVAL	Ps	.06	.08	.11	.13	.16	.19	.22	.26	.29	.33
	(.181 ft ²)	NC	<20	22	26	29	32	34	37	39	41	43
		Throw	5 7 14	5 8 15	6 9 17	6 10 19	7 11 21	8 12 21	8 13 22	9 14 23	10 15 24	10 15 25
		CFM	80	91	102	113	124	136	147	158	169	180
36"	8" OVAL	Ps	.06	.07	.09	.11	.14	.16	.19	.22	.25	.29
(Y)	(.289 ft ²)	NC	<20	22	25	28	31	34	36	38	40	42
		Throw	5 8 15	6 9 18	7 10 20	7 11 21	8 12 22	9 13 23	9 14 24	10 15 25	11 16 25	12 17 26
		CFM	90	103	117	130	143	157	170	183	197	210
	10" OVAL	Ps	.06	.08	.10	.12	.15	.18	.21	.24	.28	.32
	(.395 ft ²)	NC	<20	22	25	29	31	34	36	39	41	43
		Throw	6 9 17	7 10 20	8 11 21	8 13 22	9 14 23	10 15 25	11 16 26	12 18 27	13 19 27	14 20 28
		CFM	100	113	127	140	153	167	180	193	207	220
	12" OVAL (.682 ft ²)	Ps NC	.06 <20	.08 22	.10 25	.12 28	.14 31	.17 33	.20 36	.23 38	.26 40	.29 42

Throw 6 10 19 7 11 21 8 12 22 9 14 23 10 15 24 11 16 25 12 17 26 12 19 27 13 20 28 14 21 29

SCD-10 • 1" SLOT WIDTH • 1 SLOT • ONE WAY DISCHARGE

		CFM	65	78	91	103	116	129	142	154	167	180
	5" DIA	Ps	.04	.06	.08	.10	.13	.16	.19	.22	.26	.31
	(.136 ft ²)	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 17	7 10 18	7 11 19	8 12 20	9 13 21	9 14 21
		CFM	75	89	103	117	131	144	158	172	186	200
	6" OVAL	Ps	.05	.07	.09	.12	.15	.18	.21	.25	.29	.34
	(.181 ft ²)	NC	<20	<20	24	27	31	34	36	39	41	43
		Throw	4 6 12	5 7 14	5 8 16	6 9 17	7 10 18	8 11 19	8 13 20	9 14 21	10 15 22	11 16 23
		CFM	90	106	121	137	152	168	183	199	214	230
48"	8" OVAL	Ps	.05	.07	.09	.11	.14	.17	.20	.23	.27	.31
4	(.289 ft ²)	NC	<20	<20	23	27	30	33	36	38	40	42
		Throw	5 7 14	6 8 16	6 10 18	7 11 19	8 12 20	9 13 21	10 14 22	10 16 23	11 17 23	12 17 24
		CFM	110	127	143	160	177	193	210	227	243	260
	10" OVAL	Ps	.06	.07	.09	.12	.14	.17	.20	.23	.27	.31
	(.395 ft ²)	NC	<20	21	25	28	31	34	36	38	41	43
		Throw	6 9 17	7 10 18	8 11 19	8 13 20	9 14 21	10 15 22	11 16 23	12 17 24	13 18 25	14 18 26
		CFM	120	138	156	173	191	209	227	244	262	280
	12" OVAL	Ps	.05	.07	.09	.11	.13	.16	.19	.22	.25	.29
	(.682 ft ²)	NC	<20	22	25	28	31	34	36	39	41	43
		Throw	6 9 18	7 11 19	8 12 20	9 14 21	10 15 22	11 16 23	12 17 24	13 18 25	14 18 26	15 19 27
		OFM	00	400	447	400	440	457	470	400	407	040
	E" DIA	CFM	90	103	117	130	143	157	170	183	197	210
	5" DIA	Ps	.06	.08	.10	.13	.15	.18	.21	.25	.29	.33
	5" DIA (.136 ft²)	Ps NC	.06 <20	.08 21	.10 24	.13 27	.15 30	.18 33	.21 35	.25 38	.29 40	.33 42
		Ps NC Throw	.06 <20 3 5 10	.08 21 4 6 12	.10 24 4 7 12	.13 27 5 7 13	.15 30 5 8 14	.18 33 6 9 14	.21 35 6 10 15	.25 38 7 10 15	.29 40 7 11 16	.33 42 8 12 16
	(.136 ft ²)	Ps NC Throw CFM	.06 <20 3 5 10 100	.08 21 4 6 12 114	.10 24 4 7 12 129	.13 27 5 7 13 143	.15 30 5 8 14 158	.18 33 6 9 14 172	.21 35 6 10 15 187	.25 38 7 10 15 201	.29 40 7 11 16 216	.33 42 8 12 16 230
	(.136 ft ²)	Ps NC Throw CFM Ps	.06 <20 3 5 10 100 .07	.08 21 4 6 12 114 .09	.10 24 4 7 12 129 .11	.13	.15 30 5 8 14 158 .16	.18 33 6 9 14 172 .19	.21 35 6 10 15 187 .23	.25 38 7 10 15 201 .26	.29 40 7 11 16 216 .30	.33 42 8 12 16 230 .34
	(.136 ft ²)	Ps NC Throw CFM Ps NC	.06	.08 21 4 6 12 114 .09 22	.10 24 4 7 12 129 .11 25	.13 27 5 7 13 143 .13 28	.15 30 5 8 14 158 .16 31	.18 33 6 9 14 172 .19 34	.21 35 6 10 15 187 .23 36	.25 38 7 10 15 201 .26 38	.29 40 7 11 16 216 .30 40	.33 42 8 12 16 230 .34 42
	(.136 ft ²)	Ps NC Throw CFM Ps NC Throw	.06	.08 21 4 6 12 114 .09 22 4 6 12	.10 24 4 7 12 129 .11 25 5 7 13	.13	.15 30 5 8 14 158 .16 31 6 9 14	.18 33 6 9 14 172 .19 34 6 10 15	.21 35 6 10 15 187 .23 36 7 10 15	.25	.29 40 7 11 16 216 .30 40 8 12 17	33 42 8 12 16 230 34 42 9 12 17
=	(.136 ft²) 6" OVAL (.181 ft²)	Ps NC Throw CFM Ps NC Throw	.06	.08 21 4 6 12 114 .09 22 4 6 12	.10 24 4 7 12 129 .11 25 5 7 13 153	.13	.15 30 5 8 14 158 .16 31 6 9 14	.18 .33 6 9 14 .172 .19 .34 6 10 15 .203	.21 35 6 10 15 187 .23 36 7 10 15 220	.25	.29 40 7 11 16 216 .30 40 8 12 17 253	33 42 16 230 34 42 9 12 17 270
0:	(.136 ft ²) 6" OVAL (.181 ft ²) 8" OVAL	Ps NC Throw CFM Ps NC Throw CFM Ps	.06	.08 21 4 6 12 114 .09 22 4 6 12 137 .08	.10 24 4 7 12 129 .11 25 5 7 13 153 .10	.13	.15 30 5 8 14 158 .16 31 6 9 14 187 .15	.18 .33 6 9 14 .172 .19 .34 6 10 15 .203 .18	.21	.25	.29 40 7 11 16 216 .30 40 8 12 17 253 .28	33
09	(.136 ft²) 6" OVAL (.181 ft²)	Ps NC Throw CFM Ps NC Throw CFM Ps NC Throw	.06	.08 21 4 6 12 114 .09 22 4 6 12 137 .08 21	.10 24 4 7 12 129 .11 25 5 7 13 153 .10 25	.13 27 5 7 13 143 .13 28 5 8 14 170 .13 28	.15 30 5 8 14 158 .16 31 6 9 14 187 .15	.18 33 6 9 14 172 .19 34 6 10 15 203 .18	.21 35 6 10 15 187 .23 36 7 10 15 220 .21 35	.25	.29 40 7 11 16 216 .30 40 8 12 17 253 .28 40	.33
09	(.136 ft ²) 6" OVAL (.181 ft ²) 8" OVAL	Ps NC Throw CFM Ps NC Throw CFM Ps NC Throw CFM Ps NC Throw	.06	.08	.10	.13	.15 30 158 .16 31 6 9 14 187 .15 31 7 10 15	.18	.21	.25 38 7 10 15 201 .26 38 7 11 16 237 .24 38 9 12 17	.29 40 7 11 16 216 .30 40 8 12 17 253 .28 40 9 13 18	33
09	(.136 ft²) 6" OVAL (.181 ft²) 8" OVAL (.289 ft²)	Ps NC Throw CFM Ps NC Throw CFM Ps NC Throw CFM CFM CFM CFM Throw	.06	.08	.10	.13	.15	.18	.21	.25	.29	33
09	(.136 ft²) 6" OVAL (.181 ft²) 8" OVAL (.289 ft²)	Ps NC Throw CFM Ps NC Throw CFM Ps NC Throw CFM Ps NC Throw Ps	.06	.08	.10	.13	.15 30 5 8 14 158 .16 31 6 9 14 187 .15 31 7 10 15 210 .15	.18	.21	.25 38 7 10 15 201 .26 38 7 11 16 237 .24 38 9 12 17 270 .25 .25	.29	33
09	(.136 ft²) 6" OVAL (.181 ft²) 8" OVAL (.289 ft²)	Ps NC Throw CFM Ps NC Throw CFM Ps NC Throw CFM Ps NC Throw NC Throw	.06	.08	.10	.13	.15	.18	.21 35 6 10 15 187 .23 .23 .7 10 15 .220 .21 .35 8 12 17 .250 .21 .36	.25 38 7 10 15 201 .26 38 7 11 16 237 .24 38 9 12 17 270 .25 38	.29 40 7 11 16 216 .30 40 8 12 17 253 .28 40 9 13 18 290 .28 40	33
09	(.136 ft²) 6" OVAL (.181 ft²) 8" OVAL (.289 ft²)	Ps NC Throw CFM Ps NC Throw CFM Ps NC Throw CFM Ps NC Throw CFM Ps NC Throw	.06	.08	.10	.13	.15	.18	.21	.25 38 7 10 15 201 .26 .38 7 11 16 .237 .24 .38 9 12 17 .25 .38 10 13 19	.29	33
09	(.136 ft²) 6" OVAL (.181 ft²) 8" OVAL (.289 ft²) 10" OVAL (.395 ft²)	Ps NC Throw CFM Ps NC Throw CFM Ps NC Throw CFM Ps NC Throw CFM CFM Ps NC	.06	.08	.10	.13	.15	.18	.21	.25 38 7 10 15 201 .26 .26 .27 .24 .38 9 12 17 .270 .25 .38 10 13 19 .280 .25	.29	33
09	(.136 ft²) 6" OVAL (.181 ft²) 8" OVAL (.289 ft²) 10" OVAL (.395 ft²)	Ps NC Throw CFM Ps	.06	.08	.10	.13	.15 30 14 158 .16 31 6 9 14 187 .15 31 7 10 15 210 .15 31 8 12 16 220 .13	.18	.21	.25 38 7 10 15 201 .26 .37 .24 .38 9 12 17 .27 .25 .38 10 13 19 .28 .21 .21 .25	.29	33 34 36 36 37 37 37 37 37 37
09	(.136 ft²) 6" OVAL (.181 ft²) 8" OVAL (.289 ft²) 10" OVAL (.395 ft²)	Ps NC Throw CFM Ps NC Throw CFM Ps NC Throw CFM Ps NC Throw CFM CFM Ps NC	.06	.08	.10	.13	.15	.18	.21	.25 38 7 10 15 201 .26 .26 .27 .24 .38 9 12 17 .270 .25 .38 10 13 19 .280 .25	.29	33

Test Standard

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

- · 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
- 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-10 • 1" SLOT WIDTH • 2 SLOT • ONE WAY DISCHARGE

		CFM	70	82	94	107	119	131	143	156	168	180
	5" DIA	Ps	.05	.06	.08	.11	.13	.16	.19	.23	.27	.31
	(.136 ft ²)	NC	<20	<20	23	27	30	33	35	38	40	42
	` ′	Throw	4 6 13	5 7 15	6 8 17	6 10 19	7 11 21	8 12 23	9 13 26	9 14 28	10 15 29	11 16 30
		CFM	80	92	104	117	129	141	153	166	178	190
	6" OVAL	Ps	.05	.07	.09	.12	.14	.17	.20	.23	.27	.31
	(.181 ft ²)	NC	<20	20	24	27	30	33	35	38	40	42
		Throw	5 7 14	5 8 16	6 9 19	7 10 21	8 12 23	8 13 25	9 14 27	10 15 29	11 16 30	11 17 31
_		CFM	100	114	129	143	158	172	187	201	216	230
24"	8" OVAL	Ps	.06	.08	.10	.12	.15	.18	.21	.24	.27	.31
N	(.289 ft ²)	NC T	<20	22	25	28	31	34	36	38	40	42
		Throw	6 9 18	7 10 20 126	8 12 23	9 13 26 157	9 14 28 172	10 15 29 188	11 17 31 203	12 18 32 219	13 19 33 234	14 21 34 250
	10" OVAL	CFM Ps	.05	.07	.09	.11	.13	.15	.18	.21	.24	.27
	(.395 ft ²)	NC	<20	22	25	28	31	34	36	38	40	42
	(.000 11)	Throw	7 10 20	7 11 22	8 13 25	9 14 28	10 15 29	11 17 31	12 18 32	13 20 33	14 21 34	15 22 35
		CFM	120	137	153	170	187	203	220	237	253	270
	12" OVAL	Ps	.06	.07	.09	.11	.14	.16	.19	.22	.25	.29
	(.682 ft ²)	NC	<20	22	26	29	31	34	36	38	40	42
		Throw	7 11 21	8 12 24	9 14 27	10 15 29	11 17 31	12 18 32	13 20 33	14 21 34	15 23 36	16 24 37
		CFM	70	86	101	117	132	148	163	179	194	210
	5" DIA	Ps	.04	.05	.07	.10	.13	.16	.20	.23	.28	.32
	(.136 ft ²)	NC	<20	<20	20	25	28	32	35	37	40	42
		Throw	4 6 12	5 7 14	6 8 17	7 10 20	7 11 22	8 12 25	9 14 27	10 15 28	11 16 29	12 18 30
	6" OVAL	CFM	.04	.06	.08	130 .11	147 .14	163 .17	180 .21	197 .25	.213 .29	.34
	(.181 ft ²)	Ps NC	<20	<20	22	26	29	33	35	38	40	43
	(.10111)	Throw	4 7 13	5 8 16	6 9 19	7 11 22	8 12 25	9 14 27	10 15 28	11 16 29	12 18 31	13 19 32
		CFM	100	119	138	157	176	194	213	232	251	270
	8" OVAL	Ps	.04	.06	.09	.11	.14	.17	.20	.24	.28	.33
30"	(.289 ft ²)	NC	<20	<20	23	26	30	33	36	38	40	43
	, ,	Throw	6 8 17	7 10 20	8 12 23	9 13 26	10 15 28	11 16 29	12 18 31	13 19 32	14 21 33	15 23 34
		CFM	120	139	158	177	196	214	233	252	271	290
	10" OVAL	Ps	.05	.06	.08	.10	.13	.15	.18	.21	.25	.28
	(.395 ft ²)	NC	<20	20	24	27	30	33	35	37	40	42
		Throw	7 10 20	8 12 23	9 13 26	10 15 28	11 16 29	12 18 31	13 20 32	14 21 33	15 23 34	16 24 36
	10" 0\/AI	CFM	140	160	180	200	220	240	260	280	300	320
	12" OVAL (.682 ft ²)	Ps NC	.06 <20	.07 21	.09 25	.11 28	.14 31	.16 33	.19 36	.22 38	.26 40	.29 42
	(.002 It)	Throw	8 12 23	9 13 26	10 15 28	11 17 30	12 18 31	13 20 32	15 22 34	16 23 35	17 25 36	18 26 37
		THOW	0 12 23	9 13 20	10 13 20	11 17 30	12 10 31	13 20 32	10 22 04	10 23 33	17 23 30	10 20 37
		CFM	100	116	131	147	162	178	193	209	224	240
	5" DIA	Ps	.06	.08	.10	.13	.15	.19	.22	.26	.30	.34
	(.136 ft ²)	NC	<20	20	24	27	30	33	35	38	40	42
		Throw	5 8 15	6 9 18	7 10 20	8 11 23	8 13 25	9 14 26	10 15 27	11 16 28	12 17 29	12 19 30
		CFM	110	127	143	160	177	193	210	227	243	260
	6" OVAL	Ps	.06	.08	.10	.13	.16	.19	.22	.26	.30	.34
	(.181 ft ²)	NC	<20	21	25	28	31	33	36	38	40	42
		Throw CFM	6 9 17 130	7 10 20 149	7 11 22 168	8 12 24 187	9 14 26	10 15 27 224	11 16 28 243	12 18 29 262	13 19 30 281	13 20 31 300
=	8" OVAL	Ps	.06	.08	.10	.12	.15	.18	.21	.24	.28	.32
36"	(.289 ft ²)	NC NC	<20	21	25	28	31	33	35	38	40	42
(1)	()	Throw	7 10 20	8 12 23	9 13 25	10 14 26	11 16 28	12 17 29	13 19 30	14 20 31	15 22 32	15 23 34
		CFM	140	162	184	207	229	251	273	296	318	340
	10" OVAL	Ps	.05	.07	.09	.11	.14	.17	.20	.23	.27	.30
	(.395 ft ²)	NC	<20	20	24	27	30	33	36	38	40	42
		Throw	7 11 22	8 13 25	10 14 26	11 16 28	12 18 29	13 19 31	14 21 32	15 23 33	16 24 34	18 25 36
		CFM	150	176	201	227	252	278	303	329	354	380
	12" OVAL	Ps	.05	.07	.09	.11	.14	.17	.20	.23	.27	.31
	(.682 ft ²)	NC	<20	20	24	27	30	33	36	38	40	42
		Throw	8 12 23	9 14 26	10 16 27	12 18 29	13 20 31	14 22 32	16 23 34	17 25 35	18 26 36	20 27 38

SCD-10 • 1" SLOT WIDTH • 2 SLOT • ONE WAY DISCHARGE

		CFM	100	122	144	167	189	211	233	256	278	300
	5" DIA	Ps	.04	.06	.08	.11	.14	.18	.22	.26	.31	.36
	(.136 ft ²)	NC NC	<20	<20	20	24	28	31	34	37	39	42
	(.10010)	Throw	4 6 13	5 8 15	6 9 18	7 11 20	8 12 22	9 13 23	10 15 24	11 16 25	12 18 26	13 19 27
		CFM	120	143	167	190	213	237	260	283	307	330
	6" OVAL	Ps	.05	.07	.09	.12	.15	.19	.23	.27	.31	.36
	(.181 ft ²)	NC NC	<20	<20	22	26	30	33	35	38	40	42
	(1101111)	Throw	5 8 15	6 9 18	7 11 20	8 12 22	9 13 23	10 15 24	11 16 25	12 18 27	13 19 28	14 20 29
		CFM	150	176	201	227	252	278	303	329	354	380
=	8" OVAL	Ps	.05	.07	.09	.12	.15	.18	.21	.25	.29	.34
48"	(.289 ft ²)	NC	<20	<20	23	27	30	33	35	38	40	42
7	, ,	Throw	6 9 19	7 11 21	8 13 22	10 14 24	11 16 25	12 18 26	13 19 28	14 20 29	15 21 30	16 22 31
		CFM	180	208	236	263	291	319	347	374	402	430
	10" OVAL	Ps	.06	.08	.10	.12	.15	.18	.21	.24	.28	.32
	(.395 ft ²)	NC	<20	21	24	28	31	33	36	38	40	42
		Throw	8 11 21	9 13 23	10 15 24	11 17 26	12 18 27	13 20 28	15 21 29	16 22 31	17 22 32	18 23 33
		CFM	200	231	262	293	324	356	387	418	449	480
	12" OVAL	Ps	.05	.07	.09	.12	.14	.17	.20	.24	.27	.31
	(.682 ft ²)	NC	<20	20	24	27	30	33	36	38	40	42
		Throw	8 13 22	10 15 24	11 17 26	12 19 27	14 20 28	15 21 30	16 22 31	18 23 32	19 24 33	20 24 35
		CFM	120	146	171	197	222	248	273	299	324	350
	5" DIA	Ps	.04	.06	.09	.12	.15	.19	.23	.27	.32	.37
	(.136 ft ²)	NC	<20	<20	21	25	29	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 18	9 13 19	10 14 20	10 15 21
	011 63 (44)	CFM	150	174	199	223	248	272	297	321	346	370
	6" OVAL	Ps	.05	.07	.09	.12	.15 30	.18 33	.21 35	.25 38	.28 40	.33 42
	(.181 ft ²)	NC	<20	20	23	27						
		Thomas	4 7 40	5 0 45	0 0 40	7 40 47						
		Throw	4 7 13	5 8 15	6 9 16	7 10 17	7 11 18	8 12 18	9 13 19	10 14 20	10 15 21	11 15 21
:	8" OVAL	CFM	180	209	238	267	7 11 18 296	8 12 18 324	9 13 19 353	10 14 20 382	10 15 21 411	11 15 21 440
.0	8" OVAL	CFM Ps	180 .05	209 .07	238 .09	267 .12	7 11 18 296 .15	8 12 18 324 .18	9 13 19 353 .21	10 14 20 382 .24	10 15 21 411 .28	11 15 21 440 .32
09	8" OVAL (.289 ft ²)	CFM Ps NC	.05 <20	209 .07 20	238 .09 24	267 .12 27	7 11 18 296 .15 30	8 12 18 324 .18 33	9 13 19 353 .21 35	10 14 20 382 .24 38	10 15 21 411 .28 40	11 15 21 440 .32 42
09		CFM Ps NC Throw	180 .05 <20 5 8 15	209 .07 20 6 9 16	238 .09 24 7 11 17	267 .12 27 8 12 18	7 11 18 296 .15 30 9 13 19	8 12 18 324 .18 .33 10 14 20	9 13 19 353 .21 35 11 15 21	10 14 20 382 .24 38 11 15 22	10 15 21 411 .28 40 12 16 23	11 15 21 440 .32 42 13 17 23
09	(.289 ft ²)	CFM Ps NC Throw CFM	180 .05 <20 5 8 15 200	209 .07 20 6 9 16 236	238 .09 24 7 11 17 271	267 .12 27 8 12 18 307	7 11 18 296 .15 30 9 13 19 342	8 12 18 324 .18 33 10 14 20 378	9 13 19 353 .21 35 11 15 21 413	10 14 20 382 .24 38 11 15 22 449	10 15 21 411 .28 40 12 16 23 484	11 15 21
09	(.289 ft ²)	Ps NC Throw CFM	180 .05 <20 5 8 15 200 .05	209 .07 20 6 9 16 236 .07	238 .09 24 7 11 17 271 .10	267 .12 27 8 12 18 307 .12	7 11 18 296 .15 30 9 13 19 342 .15	8 12 18 324 .18 33 10 14 20 378 .19	9 13 19 353 .21 35 11 15 21 413 .22	10 14 20 382 .24 38 11 15 22 449 .26	10 15 21 411 .28 40 12 16 23 484 .31	11 15 21 440 .32 42 13 17 23 520 .36
09	(.289 ft ²)	CFM Ps NC Throw CFM Ps NC	180	209 .07 20 6 9 16 236 .07 <20	238 .09 24 7 11 17 271 .10	267 .12 27 8 12 18 307 .12 27	7 11 18 296 .15 .30 .9 13 19 .342 .15 .30 .15 .30 .15 .30 .25	8 12 18 324 .18 33 10 14 20 378 .19 .33	9 13 19 353 .21 35 11 15 21 413 .22 36	10 14 20 382 .24 38 11 15 22 449 .26 38	10 15 21 411 .28 40 12 16 23 484 .31 41	11 15 21 440 .32 42 13 17 23 520 .36 43
09	(.289 ft ²)	Ps NC Throw CFM	180 .05 <20 5 8 15 200 .05	209 .07 20 6 9 16 236 .07 <20	238 .09 24 7 11 17 271 .10	267 .12 27 8 12 18 307 .12	7 11 18 296 .15 30 9 13 19 342 .15	8 12 18 324 .18 33 10 14 20 378 .19	9 13 19 353 .21 35 11 15 21 413 .22	10 14 20 382 .24 38 11 15 22 449 .26	10 15 21 411 .28 40 12 16 23 484 .31	11 15 21 440 .32 42 13 17 23 520 .36
09	(.289 ft ²)	CFM Ps NC Throw CFM Ps NC Throw	180 .05 .200 5 8 15 .200 .05 .200 6 9 16	209 .07 20 6 9 16 236 .07 <20 7 11 17	238 .09 24 7 11 17 271 .10 23 8 12 18	267 .12 27 8 12 18 307 .12 27 9 14 20	7 11 18 296 .15 .30 .9 13 19 .342 .15 .30 .10 15 21	8 12 18 324 .18 33 10 14 20 378 .19 .19 .33 11 15 22	9 13 19 353 .21 35 11 15 21 413 .22 36 12 16 23	10 14 20 382 .24 38 11 15 22 449 .26 38 13 17 24	10 15 21 411 .28 40 12 16 23 484 .31 41 14 17 25	11 15 21
09	(.289 ft ²) 10" OVAL (.395 ft ²)	CFM Ps NC Throw CFM Ps NC Throw CFM	180	209 .07 20 6 9 16 236 .07 <20 7 11 17 276	238 .09 24 7 11 17 271 .10 23 8 12 18 311	267 .12 27 8 12 18 307 .12 27 9 14 20 347	7 11 18 296 .15 30 9 13 19 342 .15 30 10 15 21 382	8 12 18 324 .18 33 10 14 20 378 .19 33 11 15 22 418	9 13 19 353 .21 35 11 15 21 413 .22 36 12 16 23 453	10 14 20 382	10 15 21 411	11 15 21

Test Standard

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

- · 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
- 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-10 • 1" SLOT WIDTH • 3 SLOT • ONE WAY DISCHARGE

## FIDIA Ps. Gold													
Throw 1 0 1 1 1 1 1 1 1 1			CFM	90	108	126	143	161	179	197	214	232	250
Throw		5" DIA	Ps	.04	.05	.07	.09	.12	.14	.18	.21	.24	.28
## 10		(.136 ft ²)	NC	<20	<20	22	26	29	32	35	38	40	42
## 10 Part P			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 32	12 18 34
C Se P No.			CFM	100	119	138	157	176	194	213	232	251	270
Throw		6" DIA	Ps	.04	.05	.07	.09	.12	.15	.18	.21	.24	.28
Throw		(.196 ft ²)	NC	<20	<20	23	26	30	33	36	38	40	43
STUAL PR		, ,	Throw	5 7 14	6 9 17	7 10 20	7 11 22	8 13 25	9 14 28	10 15 31	11 17 32	12 18 34	13 19 35
8" DIA													
Throw 0 9 17 7 10 21 8 12 25 10 14 20 11 16 32 12 18 34 13 20 36 15 22 37 16 24 30 17 26 40	F	8" DIA											
Throw 0 9 17 7 10 21 8 12 25 10 14 20 11 16 32 12 18 34 13 20 36 15 22 37 16 24 30 17 26 40	4												
10	64	(,											
10 OVAL Ps													
CFM		10" OVAL											
Throw B 12 24 0 15 29 11 77 33 13 19 35 44 22 37 16 24 90 18 26 41 19 29 43 21 31 44 22 33 40		0											
12° OVAL PS O7		(.595 11)											
12 OVAL Fig. Fig.													
		12" (0) (A)											
Throw 10 16 31 12 18 34 14 20 36 15 23 38 17 25 40 18 27 41 20 30 43 21 32 45 23 33 46 24 34 48 48 48 48 48 48 4													
S*DIA		(.68∠π)											
S*DIA			Inrow	10 16 31	12 18 34	14 20 36	15 23 38	17 25 40	18 27 41	20 30 43	21 32 45	23 33 46	24 34 48
S*DIA			CEM	100	110	138	157	176	10/	213	232	251	270
1.18		5" DIA											
Fig. 20													
CFM 120		(.13011)											
6"DIA (.196 ft²) NC							-						
C.196 ft Price		C" DIA											
Throw 5 8 16 6 9 19 7 11 21 8 12 24 9 13 27 10 15 29 11 16 31 12 17 32 12 19 33 31 20 34 8" DIA P8 .05 .06 .08 .10 .13 .16 .19 .22 .25 .29 .33 .34 .40 .42 .34 .35 .34 .35 .35 .38 .40 .42 .35 .35 .38 .40 .42 .35 .35 .38 .35 .38 .35 .38 .35 .38 .35 .38 .35 .38 .35 .38 .35 .38 .35 .35 .38 .35 .35 .35 .38 .35 .3		0	-										
8 DIA (.349 ft) NC <20		(.196 π)											
B*DIA C39 ft*)													
Throw 7 11 21 8 12 25 10 14 29 11 16 31 12 18 31 12 35 38 387 420 453 487 520 10" OVAL Ps .06 .08 .10 .13 .15 .18 .22 .25 .29 .33 .38 .40 .42 10" OVAL Ps .06 .08 .10 .13 .15 .18 .22 .25 .29 .33 .38 .40 .42 12" OVAL Ps .06 .08 .10 .13 .16 .19 .22 .26 .30 .35 .38 .40 .42 12" OVAL Ps .06 .08 .10 .13 .16 .19 .22 .26 .30 .35 .38 .40 .42 12" OVAL Ps .06 .08 .10 .13 .16 .19 .22 .26 .30 .35 .38 .40 .42 12" OVAL Ps .06 .08 .10 .13 .16 .19 .22 .26 .30 .35 .38 .40 .42 12" OVAL Ps .06 .08 .10 .13 .16 .19 .22 .26 .30 .35 .38 .40 .42 12" OVAL Ps .06 .08 .10 .13 .16 .19 .22 .26 .30 .35 .38 .40 .42 12" OVAL Ps .06 .08 .10 .13 .16 .19 .22 .26 .30 .35 .38 .40 .42 12" OVAL Ps .06 .08 .10 .13 .16 .18 .21 .22 .26 .30 .35 .38 .40 .42 12" OVAL Ps .06 .08 .10 .13 .16 .19 .22 .26 .30 .35 .38 .40 .42 12" OVAL Ps .06 .08 .10 .13 .16 .18 .21 .22 .26 .30 .35 .38 .40 .42 12" OVAL Ps .06 .08 .10 .13 .16 .14 .14 .17 .20 .23 .27 12" OVAL Ps .05 .06 .08 .09 .11 .14 .14 .17 .20 .23 .27 12" OVAL Ps .03 .05 .06 .08 .09 .11 .14 .14 .17 .20 .23 .27 15" DIA Ps .05 .06 .08 .10 .12 .14 .14 .14 .14 .17 .20 .23 .27 15" DIA Ps .05 .06 .08 .10 .12 .14 .14 .14 .15 .18 .21 .24 .24 .27 15" DIA Ps .05 .06 .08 .10 .13 .15 .18 .21 .24 .24 .27 .28 .28 .31 .34 .36 .38 .40 .42 .28 .34 .34 .36 .38 .40 .42 .28 .34 .34 .36 .38 .40 .42 .34 .36 .38 .40 .42 .34 .36 .38 .40 .42 .34 .36													
Throw 7 11 21 8 12 25 10 14 29 11 16 31 12 18 31 12 35 38 387 420 453 487 520 10" OVAL Ps .06 .08 .10 .13 .15 .18 .22 .25 .29 .33 .38 .40 .42 10" OVAL Ps .06 .08 .10 .13 .15 .18 .22 .25 .29 .33 .38 .40 .42 12" OVAL Ps .06 .08 .10 .13 .16 .19 .22 .26 .30 .35 .38 .40 .42 12" OVAL Ps .06 .08 .10 .13 .16 .19 .22 .26 .30 .35 .38 .40 .42 12" OVAL Ps .06 .08 .10 .13 .16 .19 .22 .26 .30 .35 .38 .40 .42 12" OVAL Ps .06 .08 .10 .13 .16 .19 .22 .26 .30 .35 .38 .40 .42 12" OVAL Ps .06 .08 .10 .13 .16 .19 .22 .26 .30 .35 .38 .40 .42 12" OVAL Ps .06 .08 .10 .13 .16 .19 .22 .26 .30 .35 .38 .40 .42 12" OVAL Ps .06 .08 .10 .13 .16 .19 .22 .26 .30 .35 .38 .40 .42 12" OVAL Ps .06 .08 .10 .13 .16 .18 .21 .22 .26 .30 .35 .38 .40 .42 12" OVAL Ps .06 .08 .10 .13 .16 .19 .22 .26 .30 .35 .38 .40 .42 12" OVAL Ps .06 .08 .10 .13 .16 .18 .21 .22 .26 .30 .35 .38 .40 .42 12" OVAL Ps .06 .08 .10 .13 .16 .14 .14 .17 .20 .23 .27 12" OVAL Ps .05 .06 .08 .09 .11 .14 .14 .17 .20 .23 .27 12" OVAL Ps .03 .05 .06 .08 .09 .11 .14 .14 .17 .20 .23 .27 15" DIA Ps .05 .06 .08 .10 .12 .14 .14 .14 .14 .17 .20 .23 .27 15" DIA Ps .05 .06 .08 .10 .12 .14 .14 .14 .15 .18 .21 .24 .24 .27 15" DIA Ps .05 .06 .08 .10 .13 .15 .18 .21 .24 .24 .27 .28 .28 .31 .34 .36 .38 .40 .42 .28 .34 .34 .36 .38 .40 .42 .28 .34 .34 .36 .38 .40 .42 .34 .36 .38 .40 .42 .34 .36 .38 .40 .42 .34 .36	0												
CFM	က	(.349 ft ⁻)											
10" OVAL							-						
CFM													
Throw 10 15 29 11 17 32 13 19 34 14 21 35 16 24 37 17 26 39 19 28 41 20 30 42 22 31 44 23 32 45 45 2580 12" VAL (.682 ft²) NC -20 20 24 27 30 33 36 38 40 42 48 48 48 48 48 48 48													
CFM		(.395 ft ²)											
12" OVAL													
CFM			CFM										
Throw 11 16 31 12 19 33 14 21 35 16 24 37 17 26 39 19 29 41 21 30 43 23 32 45 24 33 46 26 34 48 Throw 11 16 31 12 19 33 14 21 35 16 24 37 17 26 39 19 29 41 21 30 43 23 32 45 24 33 46 26 34 48 Throw 11 16 31 12 19 33 14 21 36 3 184 206 227 248 269 290 290 290 21 25 25 28 32 35 37 40 42 27 30 33 40 37 413 450 48 40 42 27 30 33 36 38 40 42 27 30 33 36 38 40 42 27 30 33 36 38 40 42 28 32 36 36 38 40 42 27 30 33 36 38 40 42 27 30 33 36 38 40 42 28 32 36 38 40 42 27 30 33 36 63 38 40 42 27 30 33 36 63 38 40 42 27 30 33 36 63 38 40 42 27 30 33 36 63 38 40 42 27 30 33 36 38 40 42 27 30 33 36 36 38 40 42 27 30 33 36 36 38 40 42 27 30 33 36 36 38 40 42 27 30 33 36 36 38 40 42 27 30 33 36 36 38 40 42 27 30 33 36 36 38 40 42 27 30 33 36 36 38 40 42 27 30 33 36 38 40 42 27 30 33 36 36 38 40 42 27 30 33 36 36 38 40 42 27 30 33 36 36 38 40 42 27 30 33 36 36 38 40 42 27 30 33 36 36 38 40 42 27 30 33 36 36 38 40 42 27 30 33 36 36 38 40 42 27 30 33 36 36 38 40 42 27 30 33 36 36 38 40 42 27 30 33 36 36 38 40 42 27 30 33 36 36 38 40 42 27 30 33 36 36 38 40 42 27 30 33 36 36 38 40 42 27 30 33 36 36 38 40 42 27 30 33 36 36 38 40 42 27 30 33 36 36 38 40 42 27 30 33 36 36 38 40 42 27 30 30 33 36 36 38 40 42 27 30 33 36 36 38 40 42 27 30 30 33 36 36 38 40 42 27 30 30 33 36 36 38 40 42 27 30 30 33 36 36 38 40 42 27 30 30 33 36 36 38 40 42 27 30 30 33 36 36 38 40 42 27 30 30 33 36 36 38 40 42 27 30 30 33 36 36 38 40 42 27 30 30 33 36 36 38 40 42 27 30 30 33 36 36 38 40 42 27 30 30 33 36 36 38 40 42 27 30 30 33 36 36 38 40 42 27 30 30 33 36 36 38 40 40 42 42 42 42 42 42 42 42 42 42 42 42 42													
S DIA		(.682 ft ²)	NC										
S DIA			Throw	11 16 31	12 19 33	14 21 35	16 24 37	17 26 39	19 29 41	21 30 43	23 32 45	24 33 46	26 34 48
S DIA				100	404	1.10	100	101		007	0.10	000	
C.136 ft ² NC <20 <20 21 25 28 32 35 37 40 42 42 42 42 42 42 42		C" DIA											
Throw 4 6 12 5 8 15 6 9 18 7 10 20 8 11 23 8 13 25 9 14 28 10 15 29 11 17 30 12 18 31 CFM													
CFM		(.136 ft⁻)											
6" DIA (.196 ft²) NC							-						
CFM		011 514											
Throw 6 9 17 7 10 20 7 11 22 8 12 24 9 13 27 10 15 28 10 16 29 11 17 30 12 18 31 13 19 32 CFM		_											
CFM		(.196 π⁻)											
8" DIA (.349 ft²) NC													
Throw 7 11 22 9 13 26 10 15 28 11 16 30 12 18 31 13 20 33 14 21 34 15 23 36 17 25 37 18 27 38 27 38 28 10 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		011 1014											
Throw 7 11 22 9 13 26 10 15 28 11 16 30 12 18 31 13 20 33 14 21 34 15 23 36 17 25 37 18 27 38 27 38 28 10 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	9		-										
CFM 230 267 303 340 377 413 450 487 523 560 10" OVAL Ps .05 .07 .09 .12 .14 .17 .20 .24 .28 .32 .24 .28 .32 .25 .26 .27 .26 .27 .26 .27 .27 .27 .27 .27 .28 .27 .28 .28 .27 .28	က	(.349 ft²)											
10" OVAL (.395 ft²)													
(.395 ft ²) NC													
Throw 10 14 28 11 17 30 13 19 32 14 21 34 16 23 36 17 26 37 19 28 39 20 29 41 22 30 42 23 31 43 CFM 280 322 364 407 449 491 533 576 618 660 12" OVAL (.682 ft²) NC <20 21 25 28 31 34 34 36 38 36 38 40 42 2		_											
CFM 280 322 364 407 449 491 533 576 618 660 12" OVAL Ps .06 .08 .11 .13 .16 .19 .23 .26 .30 .35 (.682 ft²) NC <20 21 25 28 31 34 36 38 40 42		(.395 ft ²)											
12" OVAL Ps .06 .08 .11 .13 .16 .19 .23 .26 .30 .35													
(.682 ft ²) NC <20 21 25 28 31 34 36 38 40 42													
Throw 12 17 31 13 20 33 15 23 35 17 25 37 19 28 39 20 29 41 22 30 42 24 31 44 26 32 46 27 33 47		(.682 ft ²)											
			Throw	12 17 31	13 20 33	15 23 35	17 25 37	19 28 39	20 29 41	22 30 42	24 31 44	26 32 46	27 33 47

SCD-10 • 1" SLOT WIDTH • 3 SLOT • ONE WAY DISCHARGE

ı			CFM	140	162	184	207	229	251	273	296	318	340
1		5" DIA	Ps	.05	.06	.08	.10	.13	.15	.18	.21	.24	.28
1		(.136 ft ²)	NC	<20	20	24	28	31	33	36	38	40	42
1			Throw	5 7 14	5 8 16	6 9 19	7 10 21	8 12 23	8 13 24	9 14 25	10 15 26	11 16 27	11 17 28
1			CFM	160	182	204	227	249	271	293	316	338	360
1		6" DIA	Ps	.04	.06	.07	.09	.11	.13	.15	.17	.20	.22
1		(.196 ft ²)	NC	<20	22	25	28	31	34	36	38	40	42
1			Throw	5 8 16	6 9 18	7 10 21	8 11 23	8 13 24	9 14 25	10 15 26	11 16 27	11 17 28	12 18 28
1	_		CFM	220	251	282	313	344	376	407	438	469	500
1	48"	8" DIA	Ps	.05	.07	.08	.10	.12	.15	.17	.20	.23	.26
1	₩	(.349 ft ²)	NC	<20	21	25	28	31	33	36	38	40	42
1			Throw	7 11 22	8 13 24	10 14 25	11 16 27	12 17 28	13 19 29	14 21 30	15 22 31	16 23 32	17 24 34
1			CFM	280	320	360	400	440	480	520	560	600	640
1		10" OVAL	Ps	.06	.07	.09	.11	.14	.16	.19	.22	.25	.29
1		10" OVAL (.395 ft ²)	NC	<20	21	25	28	31	33	36	38	40	42
1			Throw	9 14 25	11 16 27	12 18 28	13 20 30	15 22 31	16 23 33	18 24 34	19 25 35	20 26 37	22 27 38
1			CFM	340	391	442	493	544	596	647	698	749	800
1		12" OVAL	Ps	.06	.08	.10	.13	.15	.18	.22	.25	.29	.33
1		(.682 ft ²)	NC	<20	21	25	28	31	33	36	38	40	42
ı			Throw	11 17 28	13 20 30	15 22 32	17 24 33	18 25 35	20 26 37	22 27 38	23 28 40	24 29 41	24 30 42
-			CFM	140	164	189	213	238	262	287	311	336	360
1		5" DIA	Ps	.04	.05	.07	.09	.11	.14	.16	.19	.22	.26
1		(.136 ft ²)	NC	<20	<20	23	27	30	33	35	38	40	42
1			Throw	3 5 10			5 8 15	6 9 16	6 9 17	7 10 18	7 11 19	8 12 19	9 13 20
1			CFM	160	186	211	237	262	288	313	339	364	390
1		6" DIA	Ps	.03	.05	.06	.07	.09	.11	.13	.15	.18	.20
1		(.196 ft ²)	NC	<20	20	24	28	31	33	36	38	40	42
1			Throw	4 6 11	4 7 13		6 8 16	6 9 17	7 10 18		8 12 20	9 13 20	9 14 21
1			CFM	230	267	303	340	377	413	450	487	523	560
1	60"	8" DIA	Ps	.04	.06	.08	.10	.12	.14	.17	.20	.23	.26
1	9	(.349 ft ²)	NC	<20	20	24	27	30	33	36	38	40	42
1			Throw	5 8 16		7 11 18	8 12 20	9 13 21	10 15 22		12 17 23	12 17 24	13 18 25
1			CFM	300	347	393	440	487	533	580	627	673	720
1		10" OVAL	Ps	.05	.07	.09	.11	.13	.16	.18	.22	.25	.28
1		$(.395 \text{ ft}^2)$	NC	<20	21	24	28	31	33	36	38	40	42
			Throw	7 11 18	8 12 20	9 14 21	10 16 22	12 17 23	13 17 24		15 19 27	16 19 28	16 20 28
			CFM	360	418	476	533	591	649	707	764	822	880
	12" OV	12" OVAL	Ps	.05	.07	.09	.12	.14	.17	.20	.24	.27	.31

Test Standard

· ANSI / ASHRAE standard 70

(.682 ft²)

NC

· Isothermal air used during testing.

· 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.

20

24

27

- Terminal velocity is the air speed, in feet per minute, measured in the supply
- 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

33

30

· 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.

38

40

Pressure

· PS represents static pressure, inches of water

35

SCD-10 • 1" SLOT WIDTH • 4 SLOT • ONE WAY DISCHARGE

		CFM	110	129	148	167	186	204	223	242	261	280
	5" DIA	Ps	.04	.06	.08	.10	.12	.14	.17	.20	.24	.27
	(.136 ft ²)	NC	<20	<20	23	26	29	32	35	37	40	42
		Throw	5 7 14	5 8 16	6 9 19	7 10 21	8 12 23	9 13 26	9 14 28	10 15 30	11 16 33	12 18 34
		CFM	130	149	168	187	206	224	243	262	281	300
	6" DIA	Ps	.05	.06	.08	.10	.12	.14	.17	.19	.22	.25
	(.196 ft ²)	NC	<20	21	24	28	30	33	35	38	40	42
		Throw	5 8 16	6 9 19	7 11 21	8 12 23	9 13 26	9 14 28	10 15 30	11 16 33	12 18 34	13 19 35
		CFM	170	197	223	250	277	303	330	357	383	410
24"	8" DIA	Ps	.05	.06	.08	.10	.12	.15	.18	.21	.24	.27
5	(.349 ft ²)	NC	<20	20	24	27	30	33	35	38	40	42
		Throw	7 11 21	8 12 25	9 14 28		12 17 34	13 19 35	14 21 37	15 22 38	16 24 40	17 26 41
	400 00 444	CFM	220	256	291	327	362	398	433	469	504	540
	10" OVAL	Ps	.05	.07	.10	.12	.15	.18	.21	.25	.29	.33
	(.395 ft ²)	NC	<20	20	24	27	31	33	36	38	40	42
		Throw	9 14 28	11 16 32 278	12 18 35 316	14 20 37 353	15 23 38 391	17 25 40 429	18 27 42 467	20 29 44	21 32 45 542	23 33 47
	12" OVAL	Ps	.06	.08	.10	.13	.15	.18	.22	.26	.30	.34
	(.682 ft ²)	NC NC	<20	21	24	28	31	34	36	38	40	42
	(.002 10)	Throw	10 15 30	12 17 34	13 20 36		16 24 40	18 27 42	19 29 44	21 32 45	23 33 47	24 34 49
		1111044	10 10 00	12 17 04	10 20 00	10 22 00	10 24 40	10 27 42	10 20 44	21 02 40	20 00 47	24 04 40
		CFM	120	144	169	193	218	242	267	291	316	340
	5" DIA	Ps	.04	.05	.07	.09	.12	.15	.18	.21	.25	.29
	(.136 ft ²)	NC	<20	<20	22	26	29	32	35	38	40	42
		Throw	5 7 14	6 8 17	7 10 20	8 11 23	9 13 26	9 14 28	10 16 31	11 17 32	12 18 34	13 20 35
		CFM	160	182	204	227	249	271	293	316	338	360
	6" DIA	Ps	.05	.07	.08	.10	.13	.15	.17	.20	.23	.26
	(.196 ft ²)	NC	<20	22	25	28	31	34	36	38	40	42
		Throw	6 9 19	7 11 21	8 12 24	9 13 27 283	10 15 29 311	11 16 31 339	11 17 32 367	12 18 34 394	13 20 35 422	14 21 36 450
:	8" DIA	CFM Ps	.05	.07	.09	.10	.13	.15	.18	.20	.23	.26
30"	(.349 ft ²)	NC	<20	22	25	28	31	34	36	38	40	42
(4)	(10 10 11)	Throw	8 12 23	9 13 27	10 15 30		12 18 33	13 20 35	14 21 36	15 23 38	16 25 39	18 26 40
		CFM	240	278	316	353	391	429	467	504	542	580
	10" OVAL	Ps	.05	.07	.09	.11	.14	.16	.20	.23	.26	.30
	(.395 ft ²)	NC	<20	20	24	27	30	33	35	38	40	42
		Throw	9 14 28	11 16 32	12 18 34		15 23 37	17 25 39	18 27 41	20 30 42	21 31 44	23 32 46
		CFM	280	322	364	407	449	491	533	576	618	660
	12" OVAL	Ps	.06	.08	.10	.12	.15	.18	.21	.25	.28	.33
	(.682 ft ²)	NC	<20	21	25	28	31	34	36	38	40	42
		Throw	11 16 32	13 19 34	14 21 36	16 24 38	18 26 40	19 29 42	21 31 44	22 32 45	24 33 47	26 34 49
		CFM	140	168	196	223	251	279	307	334	362	390
	5" DIA	Ps	.04	.05	.07	.09	.12	.15	.18	.21	.25	.28
	(.136 ft ²)	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 27	10 15 29	11 17 31	12 18 32	13 20 33	14 21 35
		CFM	180	207	233	260	287	313	340	367	393	420
	6" DIA	Ps	.05	.07	.08	.10	.13	.15	.18	.21	.24	.27
	(.196 ft ²)	NC	<20	22	25	28	31	34	36	38	41	42
		Throw	7 10 20	7 11 22	8 13 25 262	9 14 28	10 16 30 324	11 17 31 356	12 18 32 387	13 20 34	14 21 35 449	15 23 36 480
:	8" DIA	CFM Ps	.04	.06	.07	.09	.11	.13	.16	418 .19	.22	.25
36"	(.349 ft ²)	NC	<20	20	24	27	30	33	35	38	40	42
(.)	(/	Throw	7 11 22	8 13 25	9 14 28		12 18 32	13 19 33	14 21 34	15 23 36	16 24 37	17 26 38
		CFM	260	302	344	387	429	471	513	556	598	640
	10" OVAL	Ps	.05	.07	.09	.11	.13	.16	.19	.23	.26	.30
	(.395 ft ²)	NC	<20	20	24	27	30	33	36	38	40	42
		Throw	9 14 28	11 16 30	12 19 33		16 23 36	17 26 38	19 28 40	20 29 41	22 30 43	23 31 44
	1011 6:	CFM	300	349	398	447	496	544	593	642	691	740
	12" OVAL	Ps	.05	.07	.09	.11	.14	.17	.20	.24	.28	.32
	(.682 ft ²)	NC	<20	20	24	27	30	33	36	38	40	42
		Throw	11 16 30	13 19 33	14 22 35	16 24 37	18 27 39	20 29 41	21 30 43	23 31 44	25 33 46	27 34 48

SCD-10 • 1" SLOT WIDTH • 4 SLOT • ONE WAY DISCHARGE

		CFM	190	223	257	290	323	357	390	423	457	490
	5" DIA	Ps	.04	.06	.08	.10	.12	.15	.18	.21	.24	.28
	(.136 ft ²)	NC	<20	<20	23	27	30	33	35	38	40	42
	(1.00 1.7)	Throw	6 8 17			9 13 24	10 14 26	11 16 27	12 17 28	12 19 29	13 20 31	14 22 32
		CFM	220	253	287	320	353	387	420	453	487	520
	6" DIA	Ps	.05	.06	.08	.10	.12	.14	.17	.20	.23	.26
	(.196 ft ²)	NC	<20	21	24	27	30	33	36	38	40	42
		Throw	6 10 19	7 11 22	8 13 24	9 14 26	10 16 27	11 17 28	12 19 29	13 20 30	14 22 32	15 23 33
		CFM	260	293	327	360	393	427	460	493	527	560
48"	8" DIA	Ps	.05	.06	.08	.10	.12	.14	.16	.18	.21	.24
4	(.349 ft ²)	NC	<20	23	26	29	32	34	36	38	40	42
		Throw	8 12 23	9 13 24		11 16 27	12 17 28	13 19 30	14 20 31	15 22 32	16 23 33	17 24 34
		CFM	300	349	398	447	496	544	593	642	691	740
	10" OVAL	Ps	.05	.06	.08	.10	.13	.15	.18	.21	.25	.28
	(.395 ft ²)	NC	<20	20	24	27	30	33	36	38	40	42
		Throw	9 13 25	10 15 27		13 20 30	15 22 32	16 24 33	18 25 35	19 26 36	20 27 38	22 28 39
		CFM	360	420	480	540	600	660	720	780	840	900
	12" OVAL	Ps	.05	.07	.09	.11	.13	.16	.19	.23	.26	.30
	(.682 ft ²)	NC	<20	20	24	27	30	33	35	38	40	42
		Throw	11 16 27	12 19 29	14 21 31	16 23 33	18 25 35	19 26 37	21 27 38	23 28 40	24 29 41	25 30 43
				1								
			200	238	276	212	251	380	127	161	502	540
	5" DIA	CFM	200	238	276	313	351	389	427	464	502	540
	5" DIA (136 ft ²)	Ps	.04	.06	.08	.10	.12	.15	.18	.22	.25	.29
	5" DIA (.136 ft ²)	Ps NC	.04 <20	.06 <20	.08 22	.10 26	.12 29	.15 32	.18 35	.22 37	.25 40	.29 42
		Ps NC Throw	.04 <20 4 6 13	.06 <20 5 7 15	.08 22 6 9 17	.10 26 7 10 18	.12 29 7 11 19	.15 32 8 12 20	.18 35 9 13 21	.22 37 10 15 22	.25	.29
	(.136 ft ²)	Ps NC Throw CFM	.04 <20 4 6 13 240	.06 <20 5 7 15 278	.08 22 6 9 17 316	.10 26 7 10 18 353	.12 29 7 11 19 391	.15 32 8 12 20 429	.18 35 9 13 21 467	.22 37 10 15 22 504	.25 40 10 16 23 542	.29 42 11 17 23 580
	(.136 ft ²) 6" DIA	Ps NC Throw	.04 <20 4 6 13	.06 <20 5 7 15	.08 22 6 9 17	.10 26 7 10 18	.12 29 7 11 19	.15 32 8 12 20	.18 35 9 13 21	.22 37 10 15 22	.25 40 10 16 23	.29 42 11 17 23
	(.136 ft ²)	Ps NC Throw CFM Ps	.04 <20 4 6 13 240 .05	.06 <20 5 7 15 278 .06	.08 22 6 9 17 316 .08	.10 26 7 10 18 353 .10	.12 29 7 11 19 391 .12	.15 32 8 12 20 429 .15	.18 35 9 13 21 467 .17	.22 37 10 15 22 504 .20	.25 40 10 16 23 542 .23	.29 42 11 17 23 580 .27
	(.136 ft ²) 6" DIA	Ps NC Throw CFM Ps NC	.04	.06 <20 5 7 15 278 .06 20	.08 22 6 9 17 316 .08 24	.10 26 7 10 18 353 .10 27	.12 29 7 11 19 391 .12 30	.15 32 8 12 20 429 .15 33	.18 35 9 13 21 467 .17 36	.22 37 10 15 22 504 .20 38	.25 40 10 16 23 542 .23 40	.29 42 11 17 23 580 .27 42
((.136 ft ²) 6" DIA	Ps NC Throw CFM Ps NC Throw	.04 <20 4 6 13 240 .05 <20 5 8 15	.06	.08	.10	.12 29 7 11 19 391 .12 30 8 12 20	.15 32 8 12 20 429 .15 33 9 13 21	.18 35 9 13 21 467 .17 36 10 15 22	.22 37 10 15 22 504 .20 38 11 16 23	.25 40 10 16 23 542 .23 40 11 17 24	.29 42 11 17 23 580 .27 42 12 17 24
09	(.136 ft²) 6" DIA (.196 ft²)	Ps NC Throw CFM Ps NC Throw CFM	.04 <20 4 6 13 240 .05 <20 5 8 15 280	.06	.08	.10	.12 29 7 11 19 391 .12 30 8 12 20 436	.15 32 8 12 20 429 .15 33 9 13 21 474	.18 35 9 13 21 467 .17 36 10 15 22 513	.22	.25 40 10 16 23 542 .23 40 11 17 24 591	.29
09	(.136 ft ²) 6" DIA (.196 ft ²) 8" DIA	Ps NC Throw CFM Ps NC Throw CFM Ps	.04 <20 4 6 13 240 .05 <20 5 8 15 280 .05	.06	.08 22 6 9 17 316 .08 24 7 10 18 358 .07	.10 26 7 10 18 353 .10 27 7 11 19 397 .09	.12	.15 32 8 12 20 429 .15 33 9 13 21 474 .13	.18 35 9 13 21 467 .17 36 10 15 22 513 .15	.22	.25 40 10 16 23 542 .23 40 11 17 24 591 .20	.29
09	(.136 ft ²) 6" DIA (.196 ft ²) 8" DIA (.349 ft ²)	Ps NC Throw CFM Ps NC Throw CFM Ps NC Throw CFM Ps NC	.04	.06	.08	.10	.12	.15 32 8 12 20 429 .15 33 9 13 21 474 .13 34 10 15 22 607	.18 35 9 13 21 467 .17 36 10 15 22 513 .15 36	.22 37 10 15 22 504 .20 38 11 16 23 552 .18 39 12 17 24 713	.25 40 10 16 23 542 .23 40 11 17 24 591 .20 41 12 17 25 767	.29
09	(.136 ft ²) 6" DIA (.196 ft ²) 8" DIA (.349 ft ²)	Ps NC Throw CFM Ps NC Throw CFM Ps NC Throw CFM Ps NC Throw Ps NC Throw	.04	.06	.08	.10 26 7 10 18 353 .10 27 7 11 19 397 .09 9 8 12 20 500 .10	.12	.15 32 8 12 20 429 .15 33 9 13 21 474 .13 34 10 15 22 607 .15	.18	.22 37 10 15 22 504 .20 38 11 16 23 .552 .18 .39 12 17 24 .713 .21	.25 40 10 16 23 542 .23 40 11 17 24 591 .20 41 12 17 25 767 .24	.29 42 11 17 23 580 .27 42 12 17 24 630 .23 42 13 18 25 820 .28
09	(.136 ft ²) 6" DIA (.196 ft ²) 8" DIA (.349 ft ²)	Ps NC Throw CFM Ps NC Throw CFM Ps NC Throw CFM CFM CFM CFM CFM	.04	.06	.08	.10	.12	.15 32 8 12 20 429 .15 33 9 13 21 474 .13 34 10 15 22 607 .15 33	.18	.22 .37 10 15 22 .504 .20 .38 11 16 23 .552 .18 39 12 17 24 .713 .21	.25 40 10 16 23 542 .23 40 11 17 24 591 .20 41 12 17 25 767 .24 40	.29 42 11 17 23 580 .27 42 12 17 24 630 .23 42 13 18 25 820 .28 42
09	(.136 ft ²) 6" DIA (.196 ft ²) 8" DIA (.349 ft ²)	Ps NC Throw CFM Ps NC Throw CFM Ps NC Throw CFM Ps NC Throw CFM Ps NC Throw Throw	.04	.06	.08	.10	.12	.15 32 8 12 20 429 .15 33 9 13 21 474 .13 34 10 15 22 607 .15 33 13 18 25	.18	.22 .37 10 15 22 .504 .20 .38 11 16 23 .552 .18 .39 12 17 24 .713 .21 .38	.25 40 10 16 23 542 .23 40 11 17 24 591 .20 41 12 17 25 767 .24 40 16 20 28	.29 42 11 17 23 580 .27 42 12 17 24 630 .23 42 13 18 25 820 .28 42 17 20 29
09	(.136 ft²) 6" DIA (.196 ft²) 8" DIA (.349 ft²) 10" OVAL (.395 ft²)	Ps NC Throw CFM Ps NC Throw CFM Ps NC Throw CFM Ps NC Throw CFM	.04	.06	.08	.10	.12	.115	.18	.22 .37 10 15 22 .504 .20 .38 .11 16 23 .552 .18 .39 12 17 24 .713 .713 .713 .713 .714 .715 .715 .718 .719	.25 40 10 16 23 542 .23 40 11 17 24 591 .20 41 12 17 25 767 .24 40 16 20 28 933	.29 42 11 17 23 580 .27 42 12 17 24 630 .23 42 13 18 25 820 .28 42 17 20 29 1000
09	(.136 ft²) 6" DIA (.196 ft²) 8" DIA (.349 ft²) 10" OVAL (.395 ft²)	Ps NC Throw CFM Ps	.04	.06	.08	.10	.12	.15 32 8 12 20 429 .15 33 9 13 21 474 .13 34 10 15 22 607 .15 33 13 18 25 733 .16	.18	.22 .37 10 15 22 .504 .20 .30 .311 16 23 .552 .18 .39 12 17 24 .713 .21 .21 .38 .15 19 27 .867 .22	.25 40 10 16 23 542 .23 40 11 17 24 591 .20 41 12 17 25 767 .24 40 16 20 28 933 .25	.29 42 11 17 23 580 .27 42 12 17 24 630 .23 42 13 18 25 820 .28 42 17 20 29 1000 .29
09	(.136 ft²) 6" DIA (.196 ft²) 8" DIA (.349 ft²) 10" OVAL (.395 ft²)	Ps NC Throw CFM Ps NC Throw CFM Ps NC Throw CFM Ps NC Throw CFM	.04	.06	.08	.10	.12	.115	.18	.22 .37 10 15 22 .504 .20 .38 .11 16 23 .552 .18 .39 12 17 24 .713 .713 .713 .713 .714 .715 .715 .718 .719	.25 40 10 16 23 542 .23 40 11 17 24 591 .20 41 12 17 25 767 .24 40 16 20 28 933	.29 42 11 17 23 580 .27 42 12 17 24 630 .23 42 13 18 25 820 .28 42 17 20 29 1000

Test Standard

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

- · 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
- 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