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

		CFM	50	61	72	83	94	106	117	128	139	150
	5" DIA	Ps	.03	.05	.07	.10	.12	.15	.19	.23	.27	.31
	(.136 ft ²)	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
		CFM	60	71	82	93	104	116	127	138	149	160
	6" OVAL	Ps	.04	.06	.08	.11	.14	.17	.20	.24	.28	.32
	(.181 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 18	7 10 20	7 11 22	8 12 23	8 13 25	9 14 26
		CFM	75	87	98	110	122	133	145	157	168	180
	8" OVAL	Ps	.05	.07	.08	.11	.13	.15	.18	.21	.25	.28
24"	(.289 ft ²)	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
		CFM	90	103	117	130	143	157	170	183	197	210
	10" OVAL	Ps	.06	.07	.09	.12	.14	.17	.20	.23	.27	.31
	(.395 ft ²)	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	<u> </u>	10 16 28	11 17 29	
		CFM	100	113	127	140	153	167	180	193	207	220
	12" OVAL	Ps	.06	.08	.09	.12	.14	.16	.19	.22	.25	.29
	(.682 ft ²)	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
		THIOW	0 0 1/		1 11 22	0 12 24	3 13 23	3 14 20	10 13 20	11 10 23	12 10 23	12 13 30
		CFM	70	82	93	105	117	128	140	152	163	175
	5" DIA	Ps	.05	.07	.09	.12	.15	.18	.21	.25	.29	.33
	(.136 ft ²)	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
		CFM	80	92	104	117	129	141	153	166	178	190
	6" OVAL	Ps	.06	.08	.10	.13	.16	.19	.23	.26	.30	.35
	(.181 ft ²)	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
		CFM	90	104	119	133	148	162	177	191	206	220
	8" OVAL	Ps	.05	.07	.09	.12	.14	.17	.21	.24	.28	.32
30"	(.289 ft ²)	NC	<20	21	25	28	31	34	36	39	41	43
ന	(.203 11)	Throw	5 7 14	6 8 17	6 9 19	7 11 21	8 12 23	9 13 24	9 14 25		11 16 28	12 17 28
		CFM	100	116	131	147	162	178	193	209	224	240
	10" OVAL	Ps	.05	.07	.09	.11	.14	.16	.19	.23	.26	.30
	(.395 ft ²)	NC	<20	20	24	28	31	33	36	38	40	42
	(.555 ft)	Throw	5 8 16	6 9 18	7 10 21	8 12 23	9 13 24	9 14 26	<u> </u>	11 17 28	12 18 29	13 19 30
		CFM	110	127	143	160	177	19 14 20	210	227	243	260
	12" OVAL	Ps	.05	.07	.09	.11	.13	.16	.19	.22	.25	.29
	$(.682 \text{ ft}^2)$	NC	<20	21	25	28	31	33	36	38	40	42
	(.002 II)		6 9 17	7 10 20	8 11 23	8 13 24	9 14 25	10 15 27	11 17 28		13 19 30	42 14 21 31
		Throw	0 9 17	7 10 20	0 11 23	0 13 24	9 14 25	10 15 27	11 17 20	12 10 29	13 19 30	14 21 31
		CFM	80	93	106	118	131	144	157	169	182	195
	5" DIA	Ps	.06	.07	.10	.12	.15	.18	.21	.25	.29	.33
	(.136 ft ²)	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 12 23	9 13 24	
		CFM	90	103	117	130	143	157	170	183	197	210
	6" OVAL	Ps	.06	.08	.10	.13	.16	.19	.22	.25	.29	.33
	(.181 ft ²)	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 13 24	10 14 25	10 15 26
		CFM	100	117	133	150	167	183	200	217	233	250
	8" OVAL	Ps	.05	.07	.09	.12	.14	.17	.21	.24	.28	.32
36"	(.289 ft ²)	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	<u> </u>		11 17 27	12 18 28
		CFM	120	137	153	170	187	203	220	237	253	270
	10" OVAL	Ps	.06	.07	.09	.12	.14	.17	.19	.22	.26	.29
	(.395 ft ²)	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			12 19 28	13 20 29
		CFM	130	149	168	187	206	224	243	262	281	300
	12" OVAL	Ps	.06	.07	.09	.11	.14	.16	.19	.22	.26	.29
	12 JUAL	13	.00				. (7		.10	.44	.20	
	(682 ft^2)	NC	<20	21	25	28	31	34	36	38	40	42
	(.682 ft ²)	NC Throw	<20 6 10 19	21 7 11 22	25 8 12 23	28 9 14 24	31 10 15 25	34 11 17 27	36 12 18 28	38 13 19 29	40 14 21 30	42 15 22 31



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

		CFM	100	116	131	147	162	178	193	209	224	240
	5" DIA	Ps	.06	.08	.10	.13	.16	.19	.22	.209	.30	.34
	(.136 ft ²)	NC	<20	20	24	27	30	33	35	38	40	42
	(.13011)	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
		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	24	28	31	33	36	38	40	42
	(.10111)	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
		CFM	130	149	168	187	206	224	243	262	281	300
=	8" OVAL	Ps	.06	.08	.10	.12	.15	.17	.20	.24	.27	.31
48"	(.289 ft ²)	NC	<20	21	24	27	30	33	35	38	40	42
V	(.203 11)	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
		CFM	140	162	184	207	229	251	273	296	318	340
	10" OVAL	Ps	.05	.07	.09	.11	.14	.16	.19	.23	.26	.30
	(.395 ft ²)	NC	<20	20	23	27	30	33	35	37	40	42
	(.000 11)	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
		CFM	160	184	209	233	258	282	307	331	356	380
	12" OVAL	Ps	.05	.07	.09	.11	.14	.17	.19	.23	.26	.30
	(.682 ft ²)	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
		CFM	120	139	158	177	196	214	233	252	271	290
	5" DIA	CFM Ps	120 .07	139 .09	158 .12	177 .15	196 .18	214 .22	233 .26	252 .30	271 .35	290 .40
	5" DIA (.136 ft ²)								.26 36	.30 38		
		Ps	.07	.09	.12	.15	.18	.22	.26	.30	.35	.40
	(.136 ft ²)	Ps NC	.07 <20 3 5 10 140	.09 20 4 6 12 159	.12 24	.15 28	.18 31	.22 33 6 9 15 234	.26 36 7 10 16 253	.30 38 7 11 16 272	.35 40 8 12 17 291	.40 42 8 12 17 310
	(.136 ft ²) 6" OVAL	Ps NC Throw	.07 <20 3 5 10 140 .07	.09 20 4 6 12 159 .10	.12 24 4 7 13 178 .12	.15 28 5 8 14 197 .15	.18 31 6 8 14 216 .18	.22 33 6 9 15 234 .21	.26 36 7 10 16 253 .24	.30 38 7 11 16 272 .28	.35 40 8 12 17 291 .32	.40 42 8 12 17 310 .37
	(.136 ft ²)	Ps NC Throw CFM	.07 <20 3 5 10 140 .07 <20	.09 20 4 6 12 159 .10 22	.12 24 4 7 13 178 .12 26	.15 28 5 8 14 197 .15 29	.18 31 6 8 14 216 .18 31	.22 33 6 9 15 234 .21 34	.26 36 7 10 16 253 .24 36	.30 38 7 11 16 272 .28 38	.35 40 8 12 17 291 .32 40	.40 42 8 12 17 310 .37 42
	(.136 ft ²) 6" OVAL	Ps NC Throw CFM Ps NC Throw	.07 <20 3 5 10 140 .07 <20 4 6 12	.09 20 4 6 12 159 .10 22 5 7 13	.12 24 4 7 13 178 .12 26 5 8 14	.15 28 5 8 14 197 .15 29 6 8 14	.18 31 6 8 14 216 .18 31 6 9 15	.22 33 6 9 15 234 .21 34 7 10 16	.26 36 7 10 16 253 .24 36 7 11 16	.30 38 7 11 16 272 .28 38 8 12 17	.35 40 8 12 17 291 .32 40 8 12 17	.40 42 8 12 17 310 .37 42 9 13 18
	(.136 ft ²) 6" OVAL (.181 ft ²)	Ps NC Throw CFM Ps NC Throw CFM	.07 <20 3 5 10 140 .07 <20 4 6 12 150	.09 20 4 6 12 159 .10 22 5 7 13 174	.12 24 4 7 178 .12 26 5 8 199	.15 28 5 8 14 197 .15 29 6 8 14 223	.18 31 6 8 14 216 .18 31 6 9 15 248	.22 33 6 9 .234 .21 34 7 10 272	.26 36 7 10 16 253 .24 36 7 11 16 297	.30 38 7 11 16 272 .28 38 8 12 17 321	.35 40 8 12 17 291 .32 40 8 12 17 346	.40 42 8 12 17 310 .37 42 9 13 18 370
0"	(.136 ft ²) 6" OVAL (.181 ft ²) 8" OVAL	Ps NC Throw CFM Ps NC Throw CFM Ps	.07 <20	.09 20 159 .10 22 5 7 13 174 .08	.12 24 7 13 178 .12 26 5 8 14 199 .10	.15 28 5 8 14 197 .15 29 6 8 14 223 .13	.18 31 6 8 14 216 .18 31 6 9 15 248 .15	.22 33 6 9 15 234 .21 34 7 10 16 272 .19	.26 36 7 10 253 .24 36 7 11 297 .22	.30 38 7 11 16 272 .28 38 8 12 17 321 .26	.35 40 8 12 17 291 .32 40 8 12 17 346 .30	.40 42 8 12 17 310 .37 42 9 13 18 370 .34
60"	(.136 ft ²) 6" OVAL (.181 ft ²)	Ps NC Throw CFM Ps NC Throw CFM Ps NC	.07 <20 3 5 10 140 .07 <20 4 6 12 150 .06 <20	.09 20 4 6 12 159 .10 22 5 7 13 174 .08 20	.12 24 4 7 13 178 .12 26 5 8 14 199 .10 24	.15 28 5 8 14 197 .15 29 6 8 14 223 .13 27	.18 31 6 8 14 216 .18 31 6 9 15 248 .15 30	.22 33 6 9 15 234 .21 34 7 10 16 272 .19 33	.26 36 7 10 16 253 .24 36 7 11 16 297 .22 36	.30 38 7 11 16 272 .28 38 8 12 17 321 .26 38	.35 40 8 12 17 291 .32 40 .32 32 .32 40 .33 346 .30 40 .30	.40 42 8 12 17 310 .37 42 9 13 18 370 .34 42
60"	(.136 ft ²) 6" OVAL (.181 ft ²) 8" OVAL	Ps NC Throw CFM Ps NC Throw CFM Ps NC Throw	.07 <20 3 5 10 140 .07 <20 4 6 12 150 .06 <20 4 6 13	.09 20 4 6 12 159 .10 22 5 7 13 174 .08 20 5 7 14	.12 24 4 7 13 178 .12 26 5 8 14 199 .10 24 6 8 14	.15 28 5 8 14 197 .15 29 6 8 14 223 .13 27 6 9 15	.18 31 6 8 14 216 .18 31 6 9 15 248 .15 30 7 11 16	.22 33 6 9 15 234 .21 34 7 10 16 272 .19 33 8 12 17	.26 36 7 10 16 253 .24 36 7 11 16 297 .22 36 8 12 18	.30 38 7 11 16 272 .28 38 8 12 17 321 .26 38 9 13 18	.35 40 8 12 17 291 .32 40 8 12 17 8 12 17 346 .30 40 10 13 19	.40 42 8 12 17 310 .37 42 9 13 18 370 .34 42 10 14 20
60"	(.136 ft ²) 6" OVAL (.181 ft ²) 8" OVAL (.289 ft ²)	Ps NC Throw CFM Ps NC Throw CFM Ps NC Throw CFM	.07 <20 3 5 10 140 .07 <20 4 6 12 150 .06 <20 4 6 13 170	.09 20 4 6 12 159 .10 22 5 7 13 .08 20 5 7 14 .98	.12 24 4 7 13 178 .12 26 5 8 14 199 .10 24 6 8 14 226	.15 28 5 8 14 197 .15 29 6 8 14 223 .13 27 6 9 15 253	.18 31 6 8 14 216 .18 31 6 9 15 248 .15 30 7 11 16 281	.22 33 6 9 15 234 .21 34 7 10 16 2772 .19 33 8 12 17 309	.26 36 7 10 16 253 .24 36 7 11 16 297 .22 36 8 12 18 337	.30 38 7 11 16 272 .28 38 8 12 17 321 .26 38 9 13 18 364	.35 40 8 12 17 291 .32 40 8 12 17 346 .30 40 10 13 19 392	.40 42 8 12 17 310 .37 42 9 13 18 370 .34 42 10 14 20 420
60"	(.136 ft ²) 6" OVAL (.181 ft ²) 8" OVAL (.289 ft ²) 10" OVAL	Ps NC Throw CFM Ps NC Throw CFM Ps NC Throw CFM Ps	.07 <20 3 5 10 140 .07 <20 4 6 12 150 .06 <20 4 6 13 170 .06	.09 20 159 .10 22 5 7 13 174 .08 20 5 7 14 198 .08	$\begin{array}{c c c c c c c c c c c c c c c c c c c $.15 28 5 8 14 197 .15 29 6 8 14 223 .13 27 6 9 15 253 .12	.18 31 6 8 14 216 .18 31 6 9 15 248 .15 30 7 11 16 281 .15	.22 33 6 9 15 234 .21 .34 7 10 16 272 .19 33 8 12 17 309 .19	.26 36 7 10 16 253 .24 36 7 11 16 297 .22 36 8 12 18 337 .22	.30 38 7 11 16 272 .28 38 8 12 17 321 .26 38 9 13 18 364 .26	.35 40 8 12 17 291 .32 40 .32 8 12 17 346 .30 .30 10 13 19 392 .30 .30	.40 42 8 12 17 310 .37 42 9 13 18 370 .34 42 10 14 20 420 .34
60"	(.136 ft ²) 6" OVAL (.181 ft ²) 8" OVAL (.289 ft ²)	Ps NC Throw CFM Ps NC Throw CFM Ps NC Throw CFM Ps NC	.07 <20 3 5 10 140 .07 <20 4 6 12 150 .06 <20 4 6 13 170 .06 <20 <20	.09 20 159 .10 22 5 7 13 174 .08 20 5 7 14 198 .08 .08 .08 .21	.12 24 4 7 13 178 .12 26 5 8 14 199 .10 24 6 8 14 226 .10 25	.15 28 5 8 14 197 .15 29 6 8 14 223 .13 27 6 9 15 253 .12 28	.18 31 6 8 14 216 .18 31 6 9 15 248 .15 30 7 11 16 281 .15 31	.22 33 6 9 15 234 .21 .34 7 10 16 272 .19 33 8 12 17 .309 .19 .34	.26 36 7 10 16 253 .24 36 7 11 16 297 .22 36 8 12 18 337 .22 36	.30 38 7 11 16 272 .28 38 8 12 17 321 .26 38 9 13 18 364 .26 39	.35 40 8 12 17 291 .32 40 .32 8 12 17 346 .30 .30 40 13 19 392 .30 .41	.40 42 8 12 17 310 .37 42 9 13 18 370 .34 42 10 14 20 420 .34 43
60"	(.136 ft ²) 6" OVAL (.181 ft ²) 8" OVAL (.289 ft ²) 10" OVAL	Ps NC Throw CFM Ps NC Throw CFM Ps NC Throw CFM Ps NC Throw	.07 <20 3 5 10 140 .07 <20 4 6 12 150 .06 <20 4 6 13 170 .06 <20 5 7 13	.09 20 159 22 5 7 13 174 .08 20 5 7 14 5 7 14 .08 .08 20 5 7 14 .198 .08 .08 .08 .08 .08 .01 .01 .01 .01 .01 .01 .01 .01 .01 .01	$\begin{array}{c c c c c c c c c c c c c c c c c c c $.15 28 5 8 14 197 29 6 8 14 223 .13 27 6 9 15 253 .12 28 7 11 16	.18 31 6 8 14 216 .18 31 6 9 15 248 .15 30 7 11 16 281 .15 31 8 12 17	.22 33 6 9 15 234 .21 .34 7 10 16 272 .19 33 8 12 17 309 .19 .34 9 13 18	.26 36 7 10 16 253 .24 36 7 11 16 297 .22 36 8 12 18 337 .22 36 10 13 19	.30 38 7 11 16 272 .28 38 8 12 17 321 .26 38 9 13 18 364 .26 39 10 14 20	.35 40 8 12 17 291 .32 40 .32 8 12 17 346 .30 .30 40 .33 .392 .30 .41 .41 11 14 20	.40 42 8 12 17 310 .37 42 9 13 18 370 .34 42 10 14 20 420 .34 43 12 15 21
60"	(.136 ft ²) 6" OVAL (.181 ft ²) 8" OVAL (.289 ft ²) 10" OVAL (.395 ft ²)	Ps NC Throw CFM Ps NC Throw CFM Ps NC Throw CFM Ps NC Throw CFM	.07 <20 3 5 10 140 .07 <20 4 6 12 150 .06 <20 4 6 13 170 .06 <20 5 7 13 180	.09 20 159 22 27 3 7 13 174 .08 20 5 7 14 198 .08 21 6 8 14 210	$\begin{array}{c c c c c c c c c c c c c c c c c c c $.15 28 5 8 14 197 29 6 8 14 223 .13 27 6 9 15 253 .12 28 7 11 16 270	.18 31 6 8 14 216 .18 31 6 9 15 248 .15 30 7 11 16 281 .15 31 8 12 17 300	$\begin{array}{c c c c c c c c c c c c c c c c c c c $.26 36 7 10 16 253 .24 36 7 11 16 297 .22 36 8 12 18 337 .22 36 10 13 19 360	.30 38 7 11 16 272 .28 38 12 17 .26 .38 9 13 18 .364 .26 .39 .26 .39 13 18 .364 .26 .39 .20 .33 .26 .39 .20 .33 .26 .39 .20 .33 .26 .39 .20 .33 .20 .39 .20 .39	.35 40 8 12 17 291 40 8 12 17 346 .30 40 10 13 19 392 .30 41 11 14 20 420	$\begin{array}{c c c c c c c c c c c c c c c c c c c $
60"	(.136 ft ²) 6" OVAL (.181 ft ²) 8" OVAL (.289 ft ²) 10" OVAL (.395 ft ²) 12" OVAL	Ps NC Throw CFM Ps NC Throw CFM Ps NC Throw CFM Ps NC Throw CFM Ps	.07 <20 3 5 10 140 .07 <20 4 6 12 150 .06 <20 4 6 13 170 .06 <20 5 7 13 180 .05	$\begin{array}{c c c c c c c } &$	$\begin{array}{c c c c c c c c c c c c c c c c c c c $.15 28 5 8 14 197 .15 29 6 8 14 223 .13 27 6 9 15 253 .12 28 7 11 16 270 .11	.18 31 6 8 14 216 .18 31 6 9 15 248 .15 30 7 11 16 281 .15 31 8 12 17 300 .13	.22 33 6 9 15 234 .21 34 7 10 16 272 .19 33 8 12 17 309 .19 34 9 13 18 330 .16	.26 36 7 10 16 253 .24 36 7 11 16 297 .22 36 8 12 18 337 .22 36 10 13 19 360 .19	.30 38 7 11 16 272 .28 38 8 12 17 .26 38 9 13 18 364 .26 39 10 14 20 39 10 14 20 39 .23	35 40 8 12 17 291 32 40 32 32 32 32 32 31 31 31 31 30 41 30 41 30 41 30 41 30 41 	$\begin{array}{c c c c c c c c c c c c c c c c c c c $
.09	(.136 ft ²) 6" OVAL (.181 ft ²) 8" OVAL (.289 ft ²) 10" OVAL (.395 ft ²)	Ps NC Throw CFM Ps NC Throw CFM Ps NC Throw CFM Ps NC Throw CFM	.07 <20 3 5 10 140 .07 <20 4 6 12 150 .06 <20 4 6 13 170 .06 <20 5 7 13 180	.09 20 159 22 27 3 7 13 174 .08 20 5 7 14 198 .08 21 6 8 14 210	$\begin{array}{c c c c c c c c c c c c c c c c c c c $.15 28 5 8 14 197 29 6 8 14 223 .13 27 6 9 15 253 .12 28 7 11 16 270	.18 31 6 8 14 216 .18 31 6 9 15 248 .15 30 7 11 16 281 .15 31 8 12 17 300	$\begin{array}{c c c c c c c c c c c c c c c c c c c $.26 36 7 10 16 253 .24 36 7 11 16 297 .22 36 8 12 18 337 .22 36 10 13 19 360	.30 38 7 11 16 272 .28 38 12 17 .26 .38 9 13 18 .364 .26 .39 .26 .39 13 18 .364 .26 .39 .20 .33 .26 .39 .20 .33 .26 .39 .20 .33 .26 .39 .20 .33 .20 .39 .20 .39	.35 40 8 12 17 291 40 8 12 17 346 .30 40 10 13 19 392 .30 41 11 14 20 420	$\begin{array}{c c c c c c c c c c c c c c c c c c c $

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 • 2 SLOT • ONE WAY DISCHARGE

		CFM	80	98	116	133	151	169	187	204	222	240
	5" DIA	Ps	.04	.05	.07	.10	.13	.16	.19	.23	.28	.32
	(.136 ft ²)	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
		CFM	100	118	136	153	171	189	207	224	242	260
	6" OVAL	Ps	.05	.07	.09	.12	.14	.18	.21	.25	.29	.33
	(.181 ft ²)	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
		CFM	110	131	152	173	194	216	237	258	279	300
8. I	8" OVAL	Ps	.04	.06	.08	.10	.13	.16	.19	.23	.27	.31
24"	(.289 ft ²)	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
		CFM	130	153	177	200	223	247	270	293	317	340
	10" OVAL	Ps	.04	.06	.08	.10	.13	.15	.18	.22	.25	.29
	(.395 ft ²)	NC	<20	<20	22	26	29	32	35	37	40	42
	(.585 ft)		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
		Throw		174				272	297			
	101 01/01	CFM	150		199	223	248			321	346	370
	12" OVAL	Ps	.05	.07	.09 24	.11 27	.14	.17 33	.20	.23	.27	.31 42
	(.682 ft ²)	NC	<20	20			30		36	38	40	
		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
		CFM	80	102	124	147	169	191	213	236	258	280
	5" DIA	Ps	.03	.05	.07	.10	.13	.16	.20	.25	.30	.35
	(.136 ft ²)	NC	<20	<20	<20	23	27	31	34	37	40	42
	(.100 11)	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
		CFM	100	122	144	167	189	211	233	256	278	300
	6" OVAL	Ps	.04	.06	.08	.10	.13	.16	.20	.24	.28	.33
	0	NC	<20	<20	21	25	28	32	35	.24	40	42
	(.181 ft ²)											
		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
-		CFM	120	147	173	200	227	253	280	307	333	360
30"	8" OVAL	Ps	.04	.06	.08	.10	.13	.17	.21	.25	.29	.34
3	(.289 ft ²)	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
		CFM	140	169	198	227	256	284	313	342	371	400
	10" OVAL	Ps	.04	.05	.08	.10	.13	.16	.19	.23	.26	.31
	(.395 ft ²)	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
		CFM	170	200	230	260	290	320	350	380	410	440
	12" OVAL	Ps	.05	.07	.09	.11	.14	.17	.20	.24	.28	.32
	(.682 ft ²)	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
			00	140	144	107	192	240	242	260	204	200
	5" DIA	CFM Ps	90 .03	116 .05	.07	167 .10	.13	218 .17	243 .21	269 .26	294 .31	320 .37
		NC PS	<20	<20	<20	23	27	31	.21	37	40	42
	(.136 ft ²)		<pre><20</pre> 3 5 10	<pre><20 4 7 13</pre>	<pre><20</pre>	23 6 10 19	7 11 22	8 13 25	9 14 27	37 10 16 28	40	42
		Throw	120					242				340
		CFM		144	169	193	218		267	291	316	
	6" OVAL	Ps	.04	.06	.08	.11	.14 29	.17	.20	.24	.28 40	.33
												42
	(.181 ft ²)	NC	<20	<20	21	25		32	35	37		40 00 00
	(.181 ft²)	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
-		Throw CFM	5 7 14 140	6 8 17 170	7 10 20 200	7 11 22 230	8 13 25 260	9 14 27 290	10 15 28 320	11 17 29 350	12 18 30 380	410
6"	8" OVAL	Throw CFM Ps	5 7 14 140 .04	6 8 17 170 .06	7 10 20 200 .08	7 11 22 230 .11	8 13 25 260 .14	9 14 27 290 .17	10 15 28 320 .21	11 17 29 350 .25	12 18 30 380 .30	410 .35
36"		Throw CFM Ps NC	5 7 14 140 .04 <20	6 8 17 170 .06 <20	7 10 20 200 .08 21	7 11 22 230 .11 25	8 13 25 260 .14 29	9 14 27 290 .17 32	10 15 28 320 .21 35	11 17 29 350 .25 37	12 18 30 380 .30 40	410 .35 42
36"	8" OVAL	Throw CFM Ps NC Throw	5 7 14 140 .04 <20	6 8 17 170 .06 <20	7 10 20 200 .08 .08 21 .03 .03	7 11 22 230 .11 .25 9 13 26	8 13 25 260 .14 29 10 15 28	9 14 27 290 <td>10 15 28 320 .21 .21 .35 12 19 31</td> <td>11 17 29 350 .25 37 14 20 32</td> <td>12 18 30 380 .30 .30 .40 15 22 33</td> <td>410 .35 42 16 24 35</td>	10 15 28 320 .21 .21 .35 12 19 31	11 17 29 350 .25 37 14 20 32	12 18 30 380 .30 .30 .40 15 22 33	410 .35 42 16 24 35
36"	8" OVAL (.289 ft ²)	Throw CFM Ps NC Throw CFM	5 7 14 .04 .04 <20	6 8 17 170 .06 <20	7 10 20 .08 21 8 12 23 227	7 11 22 230 .11 25 9 13 26 260	8 13 25 260 .14 29 10 15 28 293	9 14 27 290 .17 32 11 17 29 327	10 15 28 320 .21 35 .21 12 19 31 360	11 17 29 350 .25 37 14 20 32 393	12 18 30 380 .30 40 15 22 33 427	410 .35 42 16 24 35 460
36"	8" OVAL (.289 ft ²) 10" OVAL	Throw CFM Ps NC Throw CFM Ps	5 7 14 140 .04 <20	6 8 17 170 .06 <20	10 20 200 .08 21 .08 8 12 23 227 .08	7 11 22 230 .11 25	8 13 25 260 .14 29 10 15 28 293 .13	9 14 27 290 .17 .17 32 .11 .17 .29 327 .16 .16	10 15 28 320 .21 35 12 19 31 360 .20	11 17 29 350 .25 37 14 20 32 393 .23	12 18 30 380 .30 40 15 22 33 427 .28	410 .35 42 16 24 35 460 .32
36"	8" OVAL (.289 ft ²)	Throw CFM Ps NC Throw CFM Ps NC	5 7 14 140 .04 <20	6 8 17 .06 <20	7 10 20 .08 21 23 8 12 23 .08 227 .08 .01 .02 .03	7 11 22 230 . . 25 . . . 9 13 26 . 260 	8 13 25 260 .14 29 10 15 28 293 .13 29	9 14 27 290 .17 .17 32 .11 .17 .29 .12 .16 .32	10 15 28 320 .21 35 12 19 31 360 .20 35	11 17 29 350 .25 37 14 20 32 393 .23 .38	12 18 30 380 .30 40 15 22 33 427 .28 40	410 .35 42 16 24 35 460 .32 42
36"	8" OVAL (.289 ft ²) 10" OVAL	Throw CFM Ps NC Throw CFM Ps NC Throw	5 7 14 140 .04 <20	6 8 17 .06 <20	7 10 20 200 .08 .08 .08 .08 .08 .08 .08 .08 .08 .08 .08 .08 .08 .08 .08 .08 .08 .03	7 11 22 230	8 13 25 260 .14 29 .13 293 .13 29 .11 11 17	9 14 27 290 .17 .17 32 .11 .17 .29 327 .16 .32 13 19 .31	10 15 28 320 .21 .21 35 .21 .33 .20 .20 .20 .20 .35 .34 .21 .21 .33	17 29 350 .25 37 .21 14 20 32 .23 .23 .23 .23 .23 .23 .23 .23 .23 .23 .23 .23 .23 .23 .23 .23	12 18 30 380	410 .35 42 16 24 35 460 .32 42 18 26 37
36"	8" OVAL (.289 ft ²) 10" OVAL (.395 ft ²)	Throw CFM Ps NC Throw CFM Ps NC Throw CFM	5 7 14 140 .04 <20	6 8 17 170 .06 <20	7 10 20 200 .08 21 23 227 .08 21 9 9 13 26 251 .08	7 11 22 230 11 25	8 13 25 260 14 29 15 28 13 29 13 29 13	9 14 27 290 .17 .32 111 17 29 327 .16 .32 13 19 31 358	10 15 28 320 .21 35 .12 12 19 31 360 .20 .25 .21 14 21 33	11 17 29 350 .25 37 .21 14 20 32 393 .23 .23 .23 38 .23 15 23 34 429 .23	12 18 30 380 .30 40 .31 15 22 33 427 .28 40 .21 17 25 35 464	410 .35 42 16 24 35 460 .32 42 18 26 37 500
36"	8" OVAL (.289 ft ²) 10" OVAL (.395 ft ²) 12" OVAL	Throw CFM Ps NC Throw CFM Ps NC Throw CFM Ps	5 7 14 140 .04 <20	6 8 17 170 .06 <20	7 10 20 200 .08 .08 21 .08 .08 227 .08 .08 21 .08 .02 .08 .03 .03 .01 .03 .03	7 11 22 230	8 13 25 260	9 14 27 290	10 15 28 320 .21 35 12 19 31 360 .20 35 14 21 33 393 .20	11 17 29 350 .25 37 .24 20 32 393 .23 38 .23 15 23 34 429 .24 .24	12 18 30 380 	410 .35 42 16 24 35 460 .32 42 18 26 37 500 .32
36"	8" OVAL (.289 ft ²) 10" OVAL (.395 ft ²)	Throw CFM Ps NC Throw CFM Ps NC Throw CFM	5 7 14 140 .04 <20	6 8 17 170 .06 <20	7 10 20 200 .08 21 23 227 .08 21 9 13 251 251	7 11 22 230 11 25	8 13 25 260 14 29 15 28 13 29 13 11 1.7 29 11 1.7 29	9 14 27 290 .17 .32 111 17 29 327 .16 .32 13 19 31 358	10 15 28 320 .21 .35 12 19 31 .360 .20 .35 .20 .35 14 21 .33 .393	11 17 29 350 .25 37 .21 14 20 32 393 .23 .23 .23 38 .23 15 23 34 429 .23	12 18 30 380 	410 .35 42 16 24 35 460 .32 42 18 26 37 500
36"	8" OVAL (.289 ft ²) 10" OVAL (.395 ft ²) 12" OVAL	Throw CFM Ps NC Throw CFM Ps NC Throw CFM Ps	5 7 14 140 .04 <20	6 8 17 170 .06 <20	7 10 20 200 20 20 8 12 23 227 .08 21 9 13 26 251 .08 .08	7 11 22 230	8 13 25 260	9 14 27 290	10 15 28 320 .21 35 12 19 31 360 .20 35 14 21 33 393 .20	11 17 29 350 .25 37 .24 20 32 393 .23 38 .23 15 23 34 429 .24 .24	12 18 30 380 	410 .35 42 16 24 35 460 .32 42 18 26 37 500 .32

D-34.3 Anemostat

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

		0514	4.40	400	400	007	050	004	040	0.40	074	400
		CFM	140	169	198	227	256	284	313	342	371	400
	5" DIA	Ps	.05	.07	.10	.13	.17	.20	.25	.30	.35	.40
	(.136 ft ²)	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
	01 01 (4)	CFM	160	190	220	250	280	310	340	370	400	430
	6" OVAL	Ps	.05	.07	.09	.12	.15	.18	.22	.26	.30	.34
	(.181 ft ²)	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
-		CFM	180	217	253	290	327	363	400	437	473	510
48"	8" OVAL	Ps	.04	.06	.09	.11	.15	.18	.22	.26	.31	.36
4	(.289 ft ²)	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	
		CFM	200	242	284	327	369	411	453	496	538	580
	10" OVAL	Ps	.04	.06	.08	.11	.14	.17	.21	.25	.29	.34
	(.395 ft ²)	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
		CFM	220	267	313	360	407	453	500	547	593	640
	12" OVAL	Ps	.04	.06	.08	.11	.14	.17	.21	.25	.29	.34
	(.682 ft ²)	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
		OFM	100	104	220	262	200	222	207	404	400	470
	E" DIA	CFM	160	194	229	263	298	332	367	401	436	470
	5" DIA	Ps	.05	.08	.10	.14	.18	.22	.27	.32	.38	.44
	5" DIA (.136 ft ²)	Ps NC	.05 <20	.08 <20	.10 21	.14 25	.18 28	.22 32	.27 35	.32 37	.38 40	.44 42
		Ps NC Throw	.05 <20 4 5 11	.08 <20 4 7 13	.10 21 5 8 15	.14 25 6 9 16	.18 28 7 10 17	.22 32 7 11 18	.27 35 8 12 19	.32 37 9 13 20	.38 40 10 15 21	.44 42 11 15 21
	(.136 ft ²)	Ps NC Throw CFM	.05 <20 4 5 11 180	.08 <20 4 7 13 216	.10 21 5 8 15 251	.14 25 6 9 16 287	.18 28 7 10 17 322	.22 32 7 11 18 358	.27 35 8 12 19 393	.32 37 9 13 20 429	.38 40 10 15 21 464	.44 42 11 15 21 500
	(.136 ft ²) 6" OVAL	Ps NC Throw CFM Ps	.05 <20 4 5 11 180 .04	.08 <20 4 7 13 216 .06	.10 21 5 8 15 251 .08	.14 25 6 9 16 287 .11	.18 28 7 10 17 322 .14	.22 32 7 11 18 358 .17	.27 35 8 12 19 393 .21	.32 37 9 13 20 429 .25	.38 40 10 15 21 464 .29	.44 42 11 15 21 500 .33
	(.136 ft ²)	Ps NC Throw CFM Ps NC	.05 <20 4 5 11 180 .04 <20	.08 <20 4 7 13 216 .06 <20	.10 21 5 8 15 251 .08 21	.14 25 6 9 16 287 .11 25	.18 28 7 10 17 322 .14 29	.22 32 7 11 18 358 .17 32	.27 35 8 12 19 393 .21 35	.32 37 9 13 20 429 .25 37	.38 40 10 15 21 464 .29 40	.44 42 11 15 21 500 .33 42
	(.136 ft ²) 6" OVAL	Ps NC Throw CFM Ps NC Throw	.05 <20 4 5 11 180 .04 <20 4 6 12	.08 <20 4 7 13 216 .06 <20 5 7 14	.10 21 5 8 15 251 .08 21 6 8 16	.14 25 6 9 16 287 .11 25 6 10 17	.18 28 7 10 17 322 .14 29 7 11 18	.22 32 7 11 18 358 .17 32 8 12 19	.27 35 8 12 19 393 .21 35 9 13 20	.32 37 9 13 20 429 .25 37 10 14 21	.38 40 10 15 21 464 .29 40 10 15 21	.44 42 11 15 21 500 .33 42 11 16 22
=	(.136 ft ²) 6" OVAL (.181 ft ²)	Ps NC Throw CFM Ps NC Throw CFM	.05 <20	.08 <20 4 7 13 216 .06 <20 5 7 14 244	.10 21 5 8 15 251 .08 21 6 8 16 289	.14 25 6 9 16 287 .11 25 6 10 17 333	.18 28 7 10 17 322 .14 29 7 11 18 378	.22 32 7 11 18 358 .17 32 8 12 19 422	.27 35 8 12 19 393 .21 35 9 13 20 467	.32 37 9 13 20 429 .25 37 10 14 21 511	.38 40 10 15 21 464 .29 40 10 15 21 556	.44 42 11 15 21 500 .33 42 11 16 22 600
0"	(.136 ft ²) 6" OVAL (.181 ft ²) 8" OVAL	Ps NC Throw CFM Ps NC Throw CFM Ps	.05 <20 4 5 11 180 .04 <20 4 6 12 200 .04	.08 <20 4 7 13 216 .06 <20 5 7 14 244 .06	.10 21 5 8 15 251 .08 21 6 8 16 289 .08	.14 25 6 9 16 287 .11 25 6 10 17 333 .11	.18 28 7 10 17 322 .14 29 7 11 18 378 .14	.22 32 7 11 18 358 .17 32 8 12 19 422 .17	.27 35 8 12 19 393 .21 35 9 13 20 467 .21	.32 37 9 13 20 429 .25 37 10 14 21 511 .25	.38 40 10 15 21 464 .29 40 10 15 21 556 .30	.44 42 11 15 21 500 .33 42 11 16 22 600 .35
60"	(.136 ft ²) 6" OVAL (.181 ft ²)	Ps NC Throw CFM Ps NC Throw CFM Ps NC	.05 <20	.08 <20 4 7 13 216 .06 <20 5 7 14 244 .06 <20	.10 21 5 8 15 251 .08 21 6 8 16 289 .08 20	.14 25 6 9 16 287 .11 25 6 10 17 333 .11 25	.18 28 7 10 17 322 .14 29 7 11 18 378 .14 28	.22 32 7 11 18 358 .17 32 8 12 19 422 .17 32	.27 35 8 12 19 393 .21 35 9 13 20 467 .21 35	.32 37 9 13 20 429 .25 37 10 14 21 511 .25 37	.38 40 10 15 21 464 .29 40 10 15 21 556 .30 40	.44 42 11 15 21 500 .33 42 11 16 22 600 .35 42
60"	(.136 ft ²) 6" OVAL (.181 ft ²) 8" OVAL	Ps NC Throw CFM Ps NC Throw CFM Ps NC Throw	.05 <20 4 5 11 180 .04 <20 4 6 12 200 .04 <20 4 <7 13	.08 <20 4 7 13 216 .06 5 7 14 244 .06 <20 5 8 15	.10 21 5 8 15 251 .08 21 6 8 16 289 .08 20 6 10 17	.14 25 6 9 16 287 .11 25 6 10 17 333 .11 25 7 11 18	.18 28 7 10 17 322 .14 29 7 11 18 378 .14 28 8 13 19	.22 32 7 11 18 358 .17 32 8 12 19 422 .17 32 9 14 20	.27 35 8 12 19 393 .21 35 9 13 20 467 .21 35 10 15 21	.32 37 9 13 20 429 .25 37 10 14 21 511 .25 37 11 16 22	.38 40 10 15 21 464 .29 40 10 15 21 556 .30 40 12 16 23	.44 42 111 15 21 500 .33 42 111 16 22 600 .35 42 13 17 24
60"	(.136 ft ²) 6" OVAL (.181 ft ²) 8" OVAL (.289 ft ²)	Ps NC Throw CFM Ps NC Throw CFM Ps NC Throw CFM	.05 <20 4 5 11 180 .04 <20 4 6 12 200 .04 <20 4 7 13 220	.08 <20 4 7 13 216 .06 <20 5 7 14 244 .06 <20 5 8 15 269	.10 21 5 8 15 251 .08 21 6 8 16 289 .08 20 6 10 17 318	.14 25 6 9 16 287 .11 25 6 10 17 333 .11 25 7 11 18 367	.18 28 7 10 17 322 .14 29 7 11 18 378 .14 28 8 11 19 416	.22 32 7 11 18 358 .17 32 8 12 19 422 .17 32 9 14 20 464	.27 35 8 12 19 393 .21 35 9 13 20 467 .21 .21 .21 .21 .21 .21 .21 .21	.32 37 9 13 20 429 .25 37 10 14 21 511 .25 .37 10 14 21 .25 37 .25 .37 11 .25 .37 511 .26 .25	.38 40 10 15 21 464 .29 40 10 15 21 556 .30 40 12 16 23 611	.44 42 111 15 21 500 .33 42 111 16 22 600 .35 42 13 17 24 660
60"	(.136 ft ²) 6" OVAL (.181 ft ²) 8" OVAL (.289 ft ²) 10" OVAL	Ps NC Throw CFM Ps NC Throw CFM Ps NC Throw CFM Ps	.05 <20 4 5 11 180 .04 <20 4 6 12 200 .00 4 7 13 220 .03	.08 <20 4 7 13 .06 <20 5 7 14 244 .06 .20 5 8 15 .269 .05	.10 21 5 8 15 251 6 8 16 289 20 6 10 17 318 .07	.14 25 6 9 16 287 .11 25 6 10 17 333 .11 25 7 11 18 367 .10	.18 28 7 10 17 322 .14 29 7 11 18 378 .11 18 378 .12 8 13 19 416 .12	.22 32 7 11 18 358 .17 32 8 12 19 422 .17 32 9 14 20 464 .16	.27 35 8 12 19 393 .21 35 9 13 20 467 .21 .13 513 .19	$\begin{array}{c c c c c c c c c c c c c c c c c c c $.38 40 10 15 21 464 .29 40 10 15 21 530 40 12 16 23 611 .27	.44 42 11 15 21 500 .33 42 11 16 22 600 .35 42 13 17 24 660 .31
60"	(.136 ft ²) 6" OVAL (.181 ft ²) 8" OVAL (.289 ft ²)	Ps NC Throw CFM Ps NC Throw CFM Ps NC Throw CFM Ps NC	.05 <20 4 5 11 180 -04 <20 4 6 12 200 -04 <20 4 7 13 220 -03 <20	.08 <20 4 7 13 216 <20 5 7 14 244 .06 <20 5 8 15 269 .05 <20 <20	.10 21 5 8 15 251 21 6 8 16 289 .08 20 6 10 17 318 .07 20	.14 25 6 9 16 287 .11 25 6 10 17 333 .11 25 7 11 18 367 .10 24	.18 28 7 10 17 322 .14 29 7 11 18 378 .14 28 8 13 19 416 .12 28	.22 32 7 11 18 358 .17 32 8 12 19 422 .17 32 9 14 20 464 .16 31	.27 35 8 12 19 393 .21 35 9 13 20 467 .21 35 10 15 21 513 .19 34	.32 37 9 13 20 429 .25 37 10 14 21 .511 .25 37 11 16 22 .23 .23 .23 .37	.38 40 10 15 21 464 29 40 10 15 21 556 .30 40 12 16 23 611 .27 39	$\begin{array}{c c c c c c c c c c c c c c c c c c c $
60"	(.136 ft ²) 6" OVAL (.181 ft ²) 8" OVAL (.289 ft ²) 10" OVAL	Ps NC Throw CFM Ps NC Throw CFM Ps NC Throw CFM Ps NC Throw	.05 <20 4 5 11 180 <20 4 6 12 200 .04 <20 4 7 13 220 .03 <220 5 7 15	.08 <20 4 7 13 216 <20 5 7 14 244 .06 <20 5 8 15 269 .05 <20 6 9 16	.10 21 5 8 15 251 21 6 8 16 289 .08 20 6 10 17 318 .07 20 7 11 18	.14 25 6 9 16 287 .11 25 6 10 17 333 .11 25 7 11 18 367 .10 24 8 12 19	.18 28 7 10 17 322 .14 29 7 11 18 378 .14 28 8 13 19 416 .12 28 9 14 20	.22 32 7 11 18 358 .17 32 8 12 19 422 .17 32 9 14 20 464 .16 31 10 15 21	.27 35 8 12 19 393 .21 35 9 13 20 467 .21 35 10 15 21 513 .19 34 11 16 22	.32 37 9 13 20 429 .25 37 10 14 21 511 .25 37 11 16 22 .23 .23 .37 13 3 17 23	.38 40 10 15 21 464 -29 40 10 15 21 556 .30 40 12 16 23 611 .27 39 14 17 24	.44 42 500 .33 42 11 16 22 600 .35 42 13 17 24 660 .31 42 15 18 25
60"	(.136 ft ²) 6" OVAL (.181 ft ²) 8" OVAL (.289 ft ²) 10" OVAL (.395 ft ²)	Ps NC Throw CFM Ps NC Throw CFM Ps NC Throw CFM Ps NC Throw CFM	.05 <20 4 5 11 180 <20 4 6 12 200 .04 <20 4 7 13 220 .03 <20 5 7 15 240	.08 <20 4 7 13 216 <20 5 7 14 244 .06 5 8 15 269 .05 <20 6 9 16 298	.10 21 5 8 15 251 21 6 8 16 289 .08 20 6 10 17 318 .07 20 7 11 18 355	$\begin{array}{c c c c c c c c c c c c c c c c c c c $	$\begin{array}{c c c c c c c c c c c c c c c c c c c $.22 32 7 11 18 358 .17 32 422 .17 32 9 14 20 464 .16 31 10 15 21 529	.27 35 8 12 19 393 .21 35 9 13 20 467 .21 .21 513 10 15 21 513 .19 34 11 16 22 587	$\begin{array}{c c c c c c c c c c c c c c c c c c c $.38 40 10 15 21 464 .29 .10 40 .10 15 21 556 .30 .30 .12 16 23 611 .27 .39 .14 17 24	$\begin{array}{c c c c c c c c c c c c c c c c c c c $
60"	(.136 ft ²) 6" OVAL (.181 ft ²) 8" OVAL (.289 ft ²) 10" OVAL (.395 ft ²) 12" OVAL	Ps NC Throw CFM Ps NC Throw CFM Ps NC Throw CFM Ps NC Throw CFM Ps	.05 <20 4 5 11 180 .04 <20 4 6 12 200 .04 <20 4 7 13 220 .03 <20 5 7 15 240 .03	$\begin{array}{c c c c c c }$	$\begin{array}{c c c c c c c c } &$	$\begin{array}{c c c c c c c c c c c c c c c c c c c $	$\begin{array}{c c c c c c c c c c c c c c c c c c c $.22 32 7 11 18 358 .17 32 8 12 19 422 .17 32 9 14 20 464 .16 31 10 15 21 529 .17	.27 35 8 12 19 393 .21 35 9 13 20 467 .21 35 10 15 21 513 .19 34 11 16 22 587 .21	$\begin{array}{c c c c c c c c c c c c c c c c c c c $.38 40 10 15 21 464 .29 10 15 21 556 .30 40 12 16 23 611 .27 39 14 17 24 702 .30	.44 42 11 15 21 500 .33 42 11 16 22 600 .35 42 13 17 24 660 .31 42 13 17 24 660 .31 42 15 18 25 760 .35
60"	(.136 ft ²) 6" OVAL (.181 ft ²) 8" OVAL (.289 ft ²) 10" OVAL (.395 ft ²)	Ps NC Throw CFM Ps NC Throw CFM Ps NC Throw CFM Ps NC Throw CFM	.05 <20 4 5 11 180 <20 4 6 12 200 .04 <20 4 7 13 220 .03 <20 5 7 15 240	.08 <20 4 7 13 216 <20 5 7 14 244 .06 5 8 15 269 .05 <20 6 9 16 298	.10 21 5 8 15 251 21 6 8 16 289 .08 20 6 10 17 318 .07 20 7 11 18 355	$\begin{array}{c c c c c c c c c c c c c c c c c c c $	$\begin{array}{c c c c c c c c c c c c c c c c c c c $.22 32 7 11 18 358 .17 32 422 .17 32 9 14 20 464 .16 31 10 15 21 529	.27 35 8 12 19 393 .21 35 9 13 20 467 .21 .21 513 10 15 21 513 .19 34 11 16 22 587	$\begin{array}{c c c c c c c c c c c c c c c c c c c $.38 40 10 15 21 464 .29 .10 40 .10 15 21 556 .30 .30 .12 16 23 611 .27 .39 .14 17 24	$\begin{array}{c c c c c c c c c c c c c c c c c c c $

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

D

D-34.4 Anemostat

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

		CFM	100	121	142	163	184	206	227	248	269	290
	5" DIA	Ps	.03	.04	.06	.08	.10	.13	.16	.19	.22	.26
	(.136 ft ²)	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
		CFM	110	132	154	177	199	221	243	266	288	310
	6" DIA	Ps	.03	.04	.06	.07	.09	.12	.14	.17	.20	.23
	(.196 ft ²)	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
		CFM	140	174	209	243	278	312	347	381	416	450
	8" DIA	Ps	.03	.05	.07	.09	.12	.15	.18	.22	.27	.31
24"	(.349 ft ²)	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
		CFM	180	224	269	313	358	402	447	491	536	580
	10" OVAL	Ps	.03	.05	.07	.10	.13	.16	.20	.24	.28	.33
	(.395 ft ² )	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
		CFM	200	247	293	340	387	433	480	527	573	620
	12" OVAL	Ps	.03	.05	.07	.10	.13	.16	.20	.24	.28	.33
	(.682 ft ² )	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
		1111011	0 12 20	10 11 20		10 20 00	10 22 10	17 20 10	10 20 10	20 01 11	22 00 10	21 00 01
		CFM	100	124	149	173	198	222	247	271	296	320
	5" DIA	Ps	.03	.04	.06	.08	.10	.13	.16	.19	.23	.27
	(.136 ft ² )	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
		CFM	110	136	161	187	212	238	263	289	314	340
	6" DIA	Ps	.02	.03	.05	.07	.09	.11	.13	.16	.19	.22
	(.196 ft ² )	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	<u> </u>			
		CFM	160	196	231	267	302	338	373	409	444	480
	8" DIA	Ps	.03	.05	.06	.09	.11	.14	.17	.20	.24	.28
30"	(.349 ft ² )	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	<u> </u>	15 22 39	16 24 40	17 26 42
		CFM	200	246	291	337	382	428	473	519	564	610
	10" OVAL	Ps	.03	.05	.07	.09	.11	.14	.18	.21	.25	.29
	(.395 ft ² )	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
		CFM	240	289	338	387	436	484	533	582	631	680
	12" OVAL	Ps	.04	.05	.07	.10	.12	.15	.18	.22	.26	.30
	$(.682 \text{ ft}^2)$	NC	<20	<20	21	25	28	32	34	37	39	42
	(.002 11 )	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
		1111011	0 10 20		12 10 00	11 21 00	10 21 10	10 20 12	10 20 11	21 02 10	20 01 10	20 00 00
		CFM	120	144	169	193	218	242	267	291	316	340
	5" DIA	Ps	.03	.05	.06	.08	.11	.13	.16	.19	.22	.26
	(.136 ft ² )	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
		CFM	140	164	189	213	238	262	287	311	336	360
	6" DIA	Ps	.03	.04	.05	.07	.09	.11	.13	.15	.17	.20
	(.196 ft ² )	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
		CFM	180	218	256	293	331	369	407	444	482	520
36"	8" DIA	Ps	.03	.05	.06	.08	.11	.13	.16	.19	.23	.26
l 👷	(.349 ft ² )	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
		CFM	220	269	318	367	416	464	513	562	611	660
	10" OVAL	Ps	.03	.05	.06	.09	.11	.14	.17	.20	.24	.28
	(.395 ft ² )	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			
					371	427	482	538	593	649	704	760
	12" OVAI	CFM	260	316	371 .07	427	482	538 .14	.18	.21	.25	.29
	12" OVAL (.682 ft ² )	CFM Ps	260 .03	316 .05	.07	.09	.12	.14	.18	.21	.25	.29
	12" OVAL (.682 ft ² )	CFM	260	316						.21 37	.25 39	



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

CFM 140 167 193 220 247 273 300	327 353 380
5" DIA Ps .03 .05 .06 .08 .11 .13 .16	.18 .22 .25
(.136 ft ² ) 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
CFM 160 188 216 243 271 299 327	354 382 410
6" DIA Ps .03 .04 .05 .06 .08 .10 .11	.13 .16 .18
(.196 ft ² ) 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
CFM 190 236 281 327 372 418 463	509 554 600
8" DIA Ps .02 .04 .05 .07 .09 .12 .14	.17 .21 .24
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	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
CFM 260 316 371 427 482 538 593	649 704 760
10" OVAL Ps .03 .04 .06 .08 .10 .13 .16	.19 .22 .26
(.395 ft ² ) 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
CFM 320 387 453 520 587 653 720	787 853 920
12" OVAL Ps .03 .05 .07 .09 .11 .14 .17	.20 .24 .27
(.682 ft ² ) 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
CFM         160         190         220         250         280         310         340	370 400 430
5" DIA Ps .04 .05 .07 .09 .11 .14 .17	.20 .23 .27
(.136 ft ² ) 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
CFM 180 211 242 273 304 336 367	398 429 460
6" DIA Ps .03 .04 .05 .06 .07 .09 .11	13 15 17
(.196 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         19         7         11           CFM         220         267         313         360         407         453         500	20         8         12         20         8         12         21         9         13         22           547         593         640
	.15 .18 .21
8" DIA (.349 ft²)         Ps         .02         .04         .05         .07         .08         .10         .13           NC         <20	37 40 42
Company         No         220         21         23         23         32         33           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
CFM         300         360         420         480         540         600         660	720 780 840
10" OVAL Ps .03 .05 .06 .08 .11 .13 .16	.19 .22 .25
$(.395 \text{ ft}^2)$ 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
CFM 340 418 496 573 651 729 807	884 962 1040
12" OVAL Ps .03 .04 .06 .08 .11 .14 .17	.20 .24 .28
$(.682 \text{ ft}^2)$ NC <20 <20 20 25 29 32 35	38 40 42

### **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

		CFM	110	136	161	187	212	238	263	289	314	340
	5" DIA	Ps	.03	.04	.06	.08	.11	.14	.17	.20	.24	.28
	(.136 ft ² )	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	9 14 28	10 16 31	11 17 34	12 18 36
		CFM	130	156	181	207	232	258	283	309	334	360
	6" DIA	Ps	.03	.04	.06	.07	.09	.12	.14	.17	.19	.22
	(.196 ft ² )	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
		CFM	140	180	220	260	300	340	380	420	460	500
	8" DIA	Ps	.02	.03	.05	.07	.09	.12	.15	.18	.22	.26
24"	(.349 ft ² )	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
		CFM	210	258	306	353	401	449	497	544	592	640
	10" OVAL	Ps	.03	.05	.07	.09	.11	.14	.17	.21	.25	.29
	(.395 ft ² )	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
		CFM	240	289	338	387	436	484	533	582	631	680
	12" OVAL	Ps	.04	.05	.07	.09	.12	.15	.18	.21	.25	.29
	(.682 ft ² )	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
		111101	0 10 20		12 10 00	14 21 00	10 20 41	17 20 44	10 20 40	21 01 40	20 04 00	24 00 02
		CFM	130	160	190	220	250	280	310	340	370	400
	5" DIA	Ps	.03	.05	.06	.09	.11	.14	.17	.20	.24	.28
	(.136 ft ² )	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
		CFM	150	181	212	243	274	306	337	368	399	430
	6" DIA	Ps	.03	.04	.06	.08	.10	.12	.15	.18	.21	.24
	(.196 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 28	10 15 31	11 17 34	12 18 36	13 20 37	14 22 38
		CFM	180	220	260	300	340	380	420	460	500	540
8	8" DIA	Ps	.03	.04	.06	.07	.10	.12	.15	.17	.21	.24
30"	(.349 ft ² )	NC	<20	<20	20	24	28	31	34	37	39	42
63	(.0.10.10.)	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
		CFM	230	282	334	387	439	491	543	596	648	700
	10" OVAL	Ps	.03	.04	.06	.08	.11	.14	.17	.20	.24	.28
	(.395 ft ² )	NC	<20	<20	20	24	28	31	34	37	40	42
	(.000 it )	Throw	8 12 23	9 14 28	11 17 34	13 19 36	15 22 39	16 25 41	18 27 43		22 33 47	23 35 49
		CFM	260	317	373	430	487	543	600	657	713	770
	12" OVAL	Ps	.03	.05	.07	.09	.11	.14	.17	.20	.24	.28
	$(.682 \text{ ft}^2)$	NC	<20	<20	20	24	28	31	34	37	39	42
	(.002 ft )	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
		THIOW	3 13 20	11 10 32	12 19 30	14 22 30	10 24 41	10 27 43	20 30 43	22 33 47	24 33 43	20 30 31
		CFM	50	94	400	183						
			50	54	139	105	228	272	317	361	406	450
	5 DIA	Ps										
	5" DIA (.136 ft ² )	Ps NC	.01	.01	.03	.05	.07	.10	.14	.18	.22	.28
	(.136 ft ² )	NC	.01 <20	.01 <20	.03 <20	.05 <20	.07 21	.10 27	.14 31	.18 35	.22 38	.28 42
		NC Throw	.01 <20 2 2 5	.01 <20 3 4 9	.03 <20 4 6 13	.05 <20 6 9 17	.07 21 7 11 21	.10 27 8 13 25	.14 31 10 15 29	.18 35 11 17 33	.22 38 13 19 35	.28 42 14 21 36
	(.136 ft ² )	NC Throw CFM	.01 <20 2 2 5 60	.01 <20 3 4 9 108	.03 <20 4 6 13 156	.05 <20 6 9 17 203	.07 21 7 11 21 251	.10 27 8 13 25 299	.14 31 10 15 29 347	.18 35 11 17 33 394	.22 38 13 19 35 442	.28 42 14 21 36 490
	(.136 ft ² ) 6" DIA	NC Throw CFM Ps	.01 <20 2 2 5 60 .01	.01 <20 3 4 9 108 .01	.03 <20 4 6 13 156 .02	.05 <20 6 9 17 203 .04	.07 21 7 11 21 251 .06	.10 27 8 13 25 299 .09	.14 31 10 15 29 347 .12	.18 35 11 17 33 394 .16	.22 38 13 19 35 442 .20	.28 42 14 21 36 490 .24
	(.136 ft ² )	NC Throw CFM Ps NC	.01 <20 2 2 5 60 .01 <20	.01 <20 3 4 9 108 .01 <20	.03 <20 4 6 13 156 .02 <20	.05 <20 6 9 17 203 .04 <20	.07 21 7 11 21 251 .06 22	.10 27 8 13 25 299 .09 27	.14 31 10 15 29 347 .12 32	.18 35 11 17 33 394 .16 36	.22 38 13 19 35 442 .20 39	.28 42 14 21 36 490 .24 42
	(.136 ft ² ) 6" DIA	NC Throw CFM Ps NC Throw	.01 <20 2 2 5 60 .01 <20 2 3 6	.01 <20 3 4 9 108 .01 <20 3 5 10	.03 <20 4 6 13 156 .02 <20 5 7 14	.05 <20 6 9 17 203 .04 <20 <20 6 9 19	.07 21 7 11 21 251 .06 22 8 12 23	.10 27 8 13 25 299 .09 27 9 14 28	.14 31 10 15 29 347 .12 32 11 16 32	.18 35 11 17 33 394 .16 36 12 18 34	.22 38 13 19 35 442 .20 39 14 21 36	.28 42 14 21 36 490 .24 42 15 23 38
-	(.136 ft ² ) 6" DIA (.196 ft ² )	NC Throw CFM Ps NC Throw CFM	.01 <20 2 2 5 60 .01 <20 2 3 6 70	.01 <20 3 4 9 108 .01 <20 3 5 10 127	.03 <20 4 6 13 156 .02 <20 5 7 14 183	.05           <20	.07 21 7 11 21 251 .06 22 8 12 23 297	.10 27 8 13 25 299 .09 27 9 14 28 353	.14 31 10 15 29 347 .12 32 11 16 32 410	.18 35 11 17 33 394 .16 36 12 18 34 467	.22 38 13 19 35 442 .20 39 14 21 36 523	.28 42 14 21 36 490 .24 42 15 23 38 580
36"	(.136 ft ² ) 6" DIA (.196 ft ² ) 8" DIA	NC Throw CFM Ps NC Throw CFM Ps	.01 <20 2 2 5 60 .01 <20 2 3 6 70 .01	.01 <20 3 4 9 108 .01 <20 3 5 10 127 .01	.03 <20 4 6 13 156 .02 <20 5 7 14 183 .02	.05           <20	.07 21 7 11 21 251 .06 22 8 12 23 297 .06	.10 27 8 13 25 299 .09 27 9 14 28 353 .08	.14 31 10 15 29 347 .12 32 11 16 32 410 .11	.18 35 11 17 33 394 .16 36 12 18 34 467 .14	.22 38 13 19 35 442 .20 39 14 21 36 523 .18	.28 42 14 21 36 490 .24 42 15 23 38 580 .22
36"	(.136 ft ² ) 6" DIA (.196 ft ² )	NC Throw CFM Ps NC Throw CFM Ps NC	.01 <20 2 2 5 60 .01 <20 2 3 6 70 .01 <20	.01 <20 3 4 9 108 .01 <20 3 5 10 127 .01 <20	.03 <20 4 6 13 156 .02 <20 5 7 14 183 .02 <20	.05 <20 6 9 17 203 .04 <20 6 9 19 240 .04 <20	.07 21 7 11 21 251 .06 22 8 12 23 297 .06 22	.10 27 8 13 25 299 .09 27 9 14 28 353 .08 27	.14 31 10 15 29 347 .12 32 11 16 32 410 .11 32	.18 35 11 17 33 394 .16 36 12 18 34 467 .14 35	.22 38 13 19 35 442 .20 39 14 21 36 523 .18 39	.28 42 14 21 36 490 .24 42 15 23 38 580 .22 42
36"	(.136 ft ² ) 6" DIA (.196 ft ² ) 8" DIA	NC Throw CFM Ps NC Throw CFM Ps NC Throw	.01 <20 2 2 5 60 .01 <20 2 3 6 70 .01 <20 .01 <20 2 3 7	.01 <20 3 4 9 108 .01 <20 3 5 10 127 .01 <20 4 6 12	.03 <20 4 6 13 156 .02 <20 5 7 14 183 .02 <20 6 9 17	.05 <20 6 9 17 203 .04 <20 6 9 19 240 .04 <20 7 11 22	.07 21 7 11 21 251 .06 22 8 12 23 297 .06 22 9 14 28	.10 27 8 13 25 299 .09 27 9 14 28 353 .08 27 11 16 32	.14 31 10 15 29 347 .12 32 11 16 32 410 .11 32 13 19 35	.18 35 11 17 33 394 .16 12 18 34 467 .14 35 14 22 37	.22 38 13 19 35 442 .20 39 14 21 36 523 .18 39 16 24 39	.28 42 14 21 36 490 .24 15 23 38 580 .22 42 18 27 41
36"	(.136 ft ² ) 6" DIA (.196 ft ² ) 8" DIA (.349 ft ² )	NC Throw CFM Ps NC Throw CFM Ps NC Throw CFM	.01 <20 2 2 5 60 .01 <20 2 3 6 700 .01 <20 2 3 7 80	.01 <20 3 4 9 108 .01 <20 3 5 10 127 .01 <20 4 6 12 156	.03 <20 4 6 13 156 .02 <20 5 7 14 183 .02 <20 6 9 17 231	.05 <20 6 9 17 203 .04 <20 6 9 19 240 .04 <20 7 11 22 307	.07 21 7 11 21 251 .06 22 8 12 23 297 .06 22 9 14 28 382	.10 27 8 13 25 299 .09 27 9 14 28 353 .08 27 11 16 32 458	.14 31 10 15 29 347 .12 32 11 16 32 410 .11 32 13 19 35 533	.18 35 11 17 33 394 .16 36 12 18 34 467 .14 35 14 22 37 609	.22 38 13 19 35 442 .20 39 14 21 36 523 .18 39 16 24 39 684	.28 42 14 21 36 490 .24 42 15 23 38 580 .22 42 18 27 41 760
36"	(.136 ft ² ) 6" DIA (.196 ft ² ) 8" DIA (.349 ft ² ) 10" OVAL	NC Throw CFM Ps NC Throw CFM Ps NC Throw CFM Ps	.01 <20 2 2 5 60 .01 <20 2 3 6 70 .01 <20 2 3 7 80 .01	.01 <20 3 4 9 108 .01 <20 3 5 10 127 .01 <20 4 6 12 156 .01	.03 <20 4 6 13 .02 <20 5 7 14 183 .02 <20 6 9 17 231 .02	.05 <20 203 .04 <220 6 9 19 240 .04 <20 7 11 22 307 .04	.07 21 7 11 21 251 .06 22 8 12 23 297 .06 22 9 14 28 382 .07	.10 27 8 13 25 299 .09 27 9 14 28 353 .08 27 11 16 32 458 .10	.14 31 10 15 29 347 .12 32 11 16 32 410 .11 32 13 19 35 533 .13	.18 35 11 17 33 394 .16 36 12 18 34 467 .14 35 14 22 37 609 .17	.22 38 13 19 35 442 .20 39 14 21 36 523 .18 39 16 24 39 684 .22	.28 42 14 21 36 490 .24 42 15 23 38 580 .22 42 18 27 41 760 .27
36"	(.136 ft ² ) 6" DIA (.196 ft ² ) 8" DIA (.349 ft ² )	NC Throw CFM Ps NC Throw CFM Ps NC Throw CFM Ps NC	.01 <20 2 2 5 60 .01 <20 2 3 6 70 .01 <20 2 3 7 80 .01 <20	.01 <20 3 4 9 108 .01 <20 3 5 10 127 .01 <20 4 6 12 156 .01 <20	.03 <20 4 6 13 156 .02 <20 5 7 14 183 .02 <20 6 9 17 231 .02 <20 <20 <20	.05 <20 6 9 17 203 .04 <20 6 9 19 240 .04 <20 7 11 22 307 .04 <20	.07 21 7 11 21 251 .06 22 8 12 23 297 .06 22 9 14 28 382 .07 22	.10 27 8 13 25 299 .09 27 9 14 28 353 .08 27 11 16 32 458 .10 27	.14 31 10 15 29 347 .12 32 11 16 32 410 .11 32 13 19 35 533 .13 32	.18 35 11 17 33 394 .16 36 12 18 34 467 .14 35 14 22 37 609 .17 35	.22 38 13 19 35 442 .20 39 14 21 36 523 .18 39 16 24 39 684 .22 39	.28 42 14 21 36 490 .24 42 15 23 38 580 .22 42 18 27 41 760 .27 42
36"	(.136 ft ² ) 6" DIA (.196 ft ² ) 8" DIA (.349 ft ² ) 10" OVAL	NC Throw CFM Ps NC Throw CFM Ps NC Throw CFM Ps NC Throw	.01 <20 2 2 5 60 .01 <20 2 3 6 70 .01 <20 2 3 7 80 .01 <20 2 3 7 80 .01 <20 2 3 7	.01 <20 3 4 9 108 .01 <20 3 5 10 127 .01 <20 4 6 12 156 .01 <20 5 7 14	.03 <20 4 6 13 156 .02 <20 5 7 14 183 .02 <20 6 9 17 231 .02 <20 7 11 21	.05 <20 6 9 17 203 .04 <20 6 9 19 240 .04 <20 7 11 22 307 .04 <20 7 11 22 307 .04	07 21 7 11 21 251 06 22 8 12 23 297 06 22 9 14 28 382 07 22 12 18 34	.10 27 8 13 25 299 .09 27 9 14 28 353 .08 27 11 16 32 458 .10 27 14 21 37	.14 31 10 15 29 347 .12 32 11 16 32 410 .11 32 13 19 35 533 .13 .13 32 17 25 40	.18 35 11 17 33 394 .16 36 12 18 34 467 .14 35 14 22 37 609 .17 35 19 28 42	.22 38 13 19 35 442 .20 39 14 21 36 523 .18 39 16 24 39 684 .22 39 21 32 45	.28 42 14 21 36 490 .24 42 15 23 38 580 .22 42 18 27 41 760 .27 42 24 33 47
36"	(.136 ft ² ) 6" DIA (.196 ft ² ) 8" DIA (.349 ft ² ) 10" OVAL (.395 ft ² )	NC Throw CFM Ps NC Throw CFM Ps NC Throw CFM Ps NC Throw CFM	.01 <20 2 2 5 60 .01 <20 2 3 6 70 .01 <20 2 3 7 80 .01 <20 2 3 7 80 .01 <20 2 4 7 90	.01 <20 3 4 9 108 .01 <20 3 5 10 127 .01 <20 4 6 12 156 .01 <20 5 7 14 178	.03 <20 4 6 13 156 .02 <20 5 7 14 183 .02 <20 6 9 17 231 .02 <20 7 11 21 266	.05 <20 6 9 17 203 <20 <20 6 9 19 240 .04 <20 7 11 22 307 .04 <20 7 11 22 307 .04 <20 7 11 22 307	07 21 7 11 21 251 06 22 8 12 23 297 06 22 9 14 28 382 07 22 12 18 34 441	.10 27 8 13 25 299 27 9 14 28 353 .08 27 11 16 32 458 .10 27 14 21 37 529	.14 31 10 15 29 347 .12 32 410 .11 32 13 19 35 533 .13 .32 17 25 40 617	.18 35 11 17 33 394 .16 36 12 18 34 467 .14 35 14 22 37 609 .17 35 19 28 42 704	.22 38 13 19 35 442 .20 39 14 21 36 523 .18 39 16 24 39 684 .22 39 21 32 45 792	.28           42           14         21         36           490         .24           42         .23         38           580         .22           42         .21         .24           18         27         41           760         .27         .42           24         .33         47           880
36"	(.136 ft ² ) 6" DIA (.196 ft ² ) 8" DIA (.349 ft ² ) 10" OVAL (.395 ft ² ) 12" OVAL	NC Throw CFM Ps NC Throw CFM Ps NC Throw CFM Ps NC Throw CFM Ps	.01 <20 2 2 5 60 .01 <20 2 3 6 70 .01 <20 2 3 7 80 .01 <20 2 4 7 90 .01	.01 <20 3 4 9 108 .01 <20 3 5 10 127 .01 <20 4 6 12 156 .01 <20 5 7 14 178 .01	.03 <20 4 6 13 156 .02 <20 5 7 14 183 .02 <20 6 9 17 231 .02 <20 7 11 21 266 .03	.05 <20 6 9 17 203 <20 6 9 19 240 .04 <20 7 11 22 307 .04 <20 10 14 29 353 .05	07 21 7 11 21 251 .06 22 8 12 23 297 .06 22 9 14 28 382 .07 22 12 18 34 441 .07	.10 27 8 13 25 299 .09 27 9 14 28 353 .08 27 11 16 32 458 .10 27 14 21 37 529 .10	.14 31 10 15 29 347 .12 32 11 16 32 410 .11 32 13 19 35 533 .13 32 17 25 40 617 .14	$\begin{array}{c c c c c c c c c c c c c c c c c c c $	$\begin{array}{c c} .22 \\ 38 \\ 13 & 19 & 35 \\ 442 \\ .20 \\ 39 \\ 14 & 21 & 36 \\ 523 \\ .18 \\ 39 \\ 16 & 24 & 39 \\ 684 \\ .22 \\ 39 \\ 684 \\ .21 & 32 & 45 \\ 792 \\ .23 \\ \end{array}$	.28 42 14 21 36 490 .24 15 23 38 580 .22 42 18 27 41 760 .27 42 24 33 47 880 .28
36"	(.136 ft ² ) 6" DIA (.196 ft ² ) 8" DIA (.349 ft ² ) 10" OVAL (.395 ft ² )	NC Throw CFM Ps NC Throw CFM Ps NC Throw CFM Ps NC Throw CFM	.01 <20 2 2 5 60 .01 <20 2 3 6 70 .01 <20 2 3 7 80 .01 <20 2 3 7 80 .01 <20 2 4 7 90	.01 <20 3 4 9 108 .01 <20 3 5 10 127 .01 <20 4 6 12 156 .01 <20 5 7 14 178	.03 <20 4 6 13 156 .02 <20 5 7 14 183 .02 <20 6 9 17 231 .02 <20 7 11 21 266	.05 <20 6 9 17 203 <20 <20 6 9 19 240 .04 <20 7 11 22 307 .04 <20 7 11 22 307 .04 <20 7 11 22 307	07 21 7 11 21 251 06 22 8 12 23 297 06 22 9 14 28 382 07 22 12 18 34 441	.10 27 8 13 25 299 0.09 27 9 14 28 353 .08 27 11 16 32 458 .10 27 14 21 37 529	.14 31 10 15 29 347 .12 32 410 .11 32 13 19 35 533 .13 .32 17 25 40 617	.18           35           11         17         33           394         .16           36         .11           12         18         34           467         .14           35         .14         .14           35         .14         .22         .37           609         .17         .35         .19         .28         .42           704         .18         .48         .36         .48         .48	.22 38 13 19 35 442 .20 39 14 21 36 523 .18 39 16 24 39 684 .22 39 21 32 45 792	.28           42           14         21         36           490         .24           42         .23         38           580         .22           42         .21         .24           18         27         41           760         .27         .42           24         .33         47           880

D-34.7 Anemostat

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

		CFM	200	242	284	327	369	411	453	496	538	580
	5" DIA	Ps	.04	.05	.07	.09	.12	.15	.18	.22	.25	.30
	(.136 ft ² )	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
		CFM	220	264	309	353	398	442	487	531	576	620
	6" DIA	Ps	.03	.05	.06	.08	.11	.13	.16	.19	.22	.26
	(.196 ft ² )	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
		CFM	240	287	333	380	427	473	520	567	613	660
48"	8" DIA	Ps	.03	.04	.05	.07	.08	.10	.12	.15	.17	.20
4	(.349 ft ² )	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
		CFM	280	344	409	473	538	602	667	731	796	860
	10" OVAL	Ps	.03	.04	.05	.07	.09	.12	.15	.17	.21	.24
	(.395 ft ² )	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
		CFM	340	419	498	577	656	734	813	892	971	1050
	12" OVAL	Ps	.03	.04	.06	.08	.10	.13	.16	.19	.23	.26
	(.682 ft ² )	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
		CFM	220	267	313	360	407	453	500	547	593	640
	5" DIA	Ps	.04	.06	.08	.10	.13	.16	.20	.24	.28	.33
	(.136 ft ² )	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
		CFM	260	307	353	400	447	493	540	587	633	680
	6" DIA	Ps	.04	.06	.07	.09	.12	.14	.17	.20	.23	.27
	(.196 ft ² )	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
		CFM	280	331	382	433	484	536	587	638	689	740
60'	8" DIA	Ps	.03	.04	.05	.07	.09	.11	.13	.15	.18	.21
9	(.349 ft ² )	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
	101 01/01	CFM	340	409	478	547	616	684	753	822	891	960
	10" OVAL	Ps	.03	.04	.06	.08	.10	.12	.15	.17	.20	.24
	(.395 ft ² )	NC	<20	<20	21	25	29	32	35	37	40	42
		Throw	6 9 18	7 11 20	9 13 22	10 15 23 660	11 17 25	12 18 26	13 19 27	15 20 28	16 21 30	17 22 31
		CFM	400	487	573	000	747	833	920	1007	1093	1180

### **Test Standard**

ANSI / ASHRAE standard 70

12" OVAL

(.682 ft²)

Ps

NC

Throw

· 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.

.03

<20

.05

<20

.06

21

.08

25

- 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

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

.13

32

.11

29

• 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.

.19

37

.23

40

.27

42

## Pressure

· PS represents static pressure, inches of water

.16

35

D

