SCD-75 • 3/4" SLOT WIDTH • 1 SLOT • ONE WAY DISCHARGE

-												
		CFM	35	43	51	58	66	74	82	89	97	105
	5" DIA	Ps	.03	.04	.06	.08	.10	.13	.16	.19	.22	.26
	(.136 ft ²)	NC	<20	<20	21	25	28	32	35	37	40	42
		Throw	3 5 11	4 7 13	5 8 16	6 9 17	7 10 18	8 12 19	9 13 20	9 14 21	10 15 22	11 16 23
		CFM	40	48	56	63	71	79	87	94	102	110
	6" OVAL	Ps	.03	.05	.06	.08	.11	.13	.16	.19	.22	.25
	(.181 ft ²)	NC	<20	<20	21	25	29	32	34	37	39	42
	, í	Throw	4 6 13	5 7 15	6 9 17	7 10 18	7 11 19	8 12 20	9 14 21	10 15 22	11 16 23	11 17 24
		CFM	55	64	73	82	91	99	108	117	126	135
Ξ.	8" OVAL	Ps	.05	.06	.08	.10	.13	.15	.18	.22	.25	.29
7	(.289 ft ²)	NC	<20	20	24	27	31	33	36	38	40	42
	(Throw	6 9 17	7 10 18	8 11 19	9 13 20	9 14 22	10 16 23	11 17 24	12 17 24	13 18 25	14 19 26
		CFM	65	74	84	93	103	112	122	131	141	150
	10" OVAL	Ps	.06	.08	.10	.13	.15	.18	.21	.25	.29	.33
	$(.395 \text{ ft}^2)$	NC	<20	21	25	28	31	34	36	38	40	42
	(.555 ft)	Throw	7 10 18	8 12 20	9 13 21	10 15 22	11 16 23	12 17 24	13 18 25	14 18 26	15 19 27	16 20 28
		CFM	65	76	86	97	10 23	12 17 24	128	139	149	16 20 28
	101 01/01											
	12" OVAL	Ps	.05	.07	.09	.12	.14	.17	.21	.24	.28	.32
	(.682 ft ²)	NC	<20	20	24	27	30	33	35	38	40	42
		Throw	7 10 18	8 12 20	9 13 21	10 15 22	11 17 23	12 17 25	13 18 26	14 19 27	16 20 28	17 20 29
		CFM	40	49	58	67	76	84	93	102	111	120
	5" DIA	Ps	.03	.04	.06	.08	.10	.13	.15	.18	.22	.25
	(.136 ft ²)	NC NC	<20	<20	20	24	28	31	34	37	39	42
	(.13011)											
		Throw	4 6 12	5 7 14	6 8 16	7 10 17	7 11 18	8 12 19	9 14 20		11 16 22	12 16 23
		CFM	50	59	68	77	86	94	103	112	121	130
	6" OVAL	Ps	.04	.05	.07	.09	.11	.14	.17	.20	.23	.26
	(.181 ft ²)	NC	<20	<20	23	26	30	33	35	38	40	42
		Throw	5 7 15	6 9 16	7 10 17	7 11 19	8 13 20	9 14 21	10 15 22	11 16 22	12 16 23	13 17 24
	8" OVAL	CFM	60	71	81	92	102	113	123	134	144	155
30"		Ps	.04	.06	.08	.10	.12	.15	.18	.21	.24	.28
м Э	(.289 ft ²)	NC	<20	<20	23	26	30	33	35	38	40	42
		Throw	6 9 16	7 10 18	8 12 19	9 13 20	10 15 21	11 16 22	12 17 24	13 17 24	14 18 25	15 19 26
		CFM	70	82	93	105	117	128	140	152	163	175
	10" OVAL	Ps	.05	.07	.09	.11	.14	.17	.20	.23	.27	.31
	(.395 ft ²)	NC	<20	<20	23	27	30	33	35	38	40	42
		Throw	7 10 18	8 12 19	9 14 20	10 15 22	11 16 23	13 17 24	14 18 25	15 18 26	16 19 27	16 20 28
		CFM	80	92	104	117	129	141	153	166	178	190
	12" OVAL	Ps	.06	.07	.10	.12	.15	.17	.21	.24	.28	.32
	(.682 ft ²)	NC	<20	21	24	28	31	33	36	38	40	42
		Throw	8 12 19	9 14 20	10 15 22	11 16 23	13 17 24	14 18 25	15 19 26	16 19 27	16 20 28	17 21 29
		CFM	50	60	70	80	90	100	110	120	130	140
	5" DIA	Ps	.03	.05	.07	.09	.11	.14	.17	.20	.23	.27
	(.136 ft ²)	NC	<20	<20	22	26	29	33	35	38	40	42
		Throw	5 7 14	5 8 15	6 9 16	7 11 18	8 12 19	9 14 20	10 15 21	11 15 21	12 16 22	13 16 23
		CFM	60	70	80	90	100	110	120	130	140	150
	6" OVAL	Ps	.04	.06	.08	.10	.12	.15	.17	.20	.24	.27
	(.181 ft ²)	NC	<20	20	24	27	31	33	36	38	40	42
		Throw	5 8 15	6 9 16	7 11 18	8 12 19	9 14 20	10 15 21	11 15 21	12 16 22	13 16 23	14 17 24
		CFM	70	82	94	107	119	131	143	156	168	180
	8" OVAL	Ps	.04	.06	.08	.10	.13	.15	.18	.21	.25	.29
36"	(.289 ft ²)	NC	<20	<20	23	27	30	33	36	38	40	42
		Throw	6 9 16	7 11 18	9 13 19	10 14 20	11 15 21	12 16 22	13 17 23	14 17 24	15 18 25	15 19 26
		CFM	80	93	107	120	133	147	160	173	187	200
	10" OVAL	Ps	.05	.07	.09	.11	.13	.16	.19	.22	.26	.30
	(.395 ft ²)	NC	<20	<20	23	27	30	32	35	37	40	42
	(Throw	7 11 18	8 13 19	10 14 20	11 15 21	12 16 23	13 17 24	14 18 25			16 20 28
		CFM	90	104	119	133	12 10 23	162	14 18 23	191	206	220
	12" OVAL	Ps	.05	.07	.09	.12	.14	.17	.20	.24	.27	.31
	$(.682 \text{ ft}^2)$	NC NC	<20	20	24	28	31	33	.20	.24	40	42
	(.002 It)						<u> </u>					
		Throw	8 12 19	9 14 20	11 15 21	12 16 23	13 17 24	14 18 25	15 18 26	16 19 27	16 20 28	17 21 29

SCD-75 • 3/4" SLOT WIDTH • 1 SLOT • ONE WAY DISCHARGE

		0514	50	63	77	90	103	117	130	143	157	170
		CFM										
	5" DIA	Ps	.02	.04	.05	.07	.10	.12	.15	.19	.22	.26
	(.136 ft ²)	NC	<20	<20	<20	23	27	31	34	37	39	42
		Throw	4 6 11	5 7 13	6 8 14	7 10 15	8 11 16	9 12 17	10 13 18	11 14 19	12 14 20	12 15 21
	01 01 (1)	CFM	70	83	97	110	123	137	150	163	177	190
	6" OVAL	Ps	.04	.05	.07	.09	.12	.15	.18	.21	.24	.28
	(.181 ft ²)	NC	<20	<20	23	27	30	33	36	39	41	43
		Throw	5 8 13	6 9 15	7 11 16	8 12 17	9 13 18	10 13 19	11 14 20	12 14 20	12 15 21	13 16 22
_		CFM	80	96	111	127	142	158	173	189	204	220
48"	8" OVAL	Ps	.04	.05	.07	.09	.12	.14	.17	.20	.24	.28
4	(.289 ft ²)	NC	<20	<20	22	26	29	32	35	37	40	42
		Throw	6 9 14	7 11 16	8 12 17	9 13 18	10 13 19	12 14 20	12 15 21	13 16 22	13 16 23	
		CFM	90	109	128	147	166	184	203	222	241	260
	10" OVAL	Ps	.04	.05	.07	.10	.13	.16	.19	.23	.27	.31
	(.395 ft ²)	NC	<20	<20	22	26	29	32	35	38	40	43
		Throw	7 10 15	8 12 17	9 13 18	11 14 19	12 15 21	13 15 22	13 16 23	14 17 24	14 18 25	
		CFM	100	120	140	160	180	200	220	240	260	280
	12" OVAL	Ps	.04	.06	.08	.10	.13	.16	.19	.23	.27	.31
	(.682 ft ²)	NC	<20	<20	22	26	29	33	35	38	40	43
		Throw	7 11 16	9 12 18	10 13 19	12 14 20	12 15 21	13 16 23	14 17 24	14 18 25	15 18 26	15 19 27
											-	
		CFM	60	74	89	103	118	132	147	161	176	190
	5" DIA	Ps	.02	.03	.05	.07	.09	.11	.13	.16	.19	.22
	(.136 ft ²)	NC	<20	<20	<20	24	28	31	34	37	39	42
		Thursday										
		Throw	3 5 9	4 6 10	5 7 11	5 8 12	6 9 12	7 9 13	8 10 14	8 10 14	9 11 15	9 11 16
		CFM	70	85	100	115	130	145	8 10 14 160	8 10 14 175	9 11 15 190	9 11 16 205
	6" OVAL	CFM Ps	70 .03	85 .04	100 .05	115 .07	130 .09	145 .11	8 10 14 160 .13	8 10 14 175 .16	9 11 15 190 .19	9 11 16 205 .22
	6" OVAL (.181 ft ²)	CFM	70 .03 <20	85 .04 <20	100 .05 21	115 .07 25	130 .09 28	145 _11 	8 10 14 160 .13 35	8 10 14 175 .16 37	9 11 15 190 .19 40	9 11 16 205 .22 42
		CFM Ps NC Throw	70 .03 <20 4 5 9	85 .04 <20 4 7 10	100 .05 21 5 8 11	115 .07 25 6 9 12	130 .09 28 7 9 13	145 .11 .32 8 10 14	8 10 14 160 .13 35 8 10 14	8 10 14 175 .16 37 9 11 15	9 11 15 190 .19 .40 9 11 16	9 11 16 205 .22 42
_	(.181 ft ²)	CFM Ps NC Throw CFM	70 .03 <20 4 5 9 90	85 .04 <20 4 7 10 109	100 .05 21 5 8 11 128	115 .07 25 6 9 12 147	130 .09 28 7 9 13 166	145 .11 32 8 10 14 184	8 10 14 160 .13 35 8 10 14 203	8 10 14 175 .16 37 9 11 15 222	9 11 15 190 .19 40	9 11 16 205 .22 42
0"	(.181 ft ²) 8" OVAL	CFM Ps NC Throw CFM Ps	70 .03 <20 4 5 9 90 .03	85 .04 <20 4 7 10 109 .05	100 .05 21 5 8 11 128 .07	115 .07 25 6 9 12 147 .09	130 .09 28 7 9 13 166 .11	145 .11 32 8 10 14 184 .14	8 10 14 160 .13 .35 8 10 14 .203 .17 .17 .17	8 10 14 175 .16 37 9 11 15 222 .20	9 11 15 190 .19 .19 40	9 11 16 205 .22 42
60"	(.181 ft ²)	CFM Ps NC Throw CFM	70 .03 <20 4 5 9 90 .03 <20	85 .04 <20 4 7 10 109 .05 <20	100 .05 21 5 8 11 128 .07 21	115 .07 25 6 9 12 147 .09 25	130 .09 28 7 9 13 166 .11 29	145 .11 32 8 10 14 184 .14 32	8 10 14 160 .13 .35 8 10 14 203 .17 .35	8 10 14 175 .16 37	9 11 15 190 .19 .19 40 .9 11 16 241 .24 .24 40 .24 .24	9 11 16 205 .22 42
60"	(.181 ft ²) 8" OVAL	CFM Ps NC Throw CFM Ps NC Throw	70 .03 <20	85 .04 <20	100 .05 21 5 8 128 .07 21 7 9 13	115 .07 25 6 9 12 147 .09 25 8 10 14	130 .09 28 7 9 166 .11 29 8 10 15	145 .11 32 8 10 184 .14 .32 9 11 15	8 10 14 160 .13 .35 8 10 14 203 .17 .35 9 11 16	8 10 14 175 . . .16 . . .9 11 15 .202 . . .70 . . .20 . . .10 12 .	9 11 15 190 .19 .19 40 .24 .24 40 .11 16 241 .24 .24 40 .12 18	9 11 16 205 .22 42 .260 .28 .28 42 .11 13 18
60"	(.181 ft ²) 8" OVAL (.289 ft ²)	CFM Ps NC Throw CFM Ps NC	70 .03 <20	85 .04 <20	100 .05 21 5 8 128 .07 21 7 9 124	115 .07 25 6 9 147 .09 25 8 10 147	130 .09 28 7 9 166 .11 29 8 10 15 189	145 .11 32 8 10 184 .14 32 9 11 15 211	8 10 14 160 .13 35 .8 10 14 203 .17 .35 9 11 16 233	8 10 14 175 .16 37 .9 11 15 222 .20 .37 10 12 17 256	9 11 15 190 .19 40 .9 9 11 16 241 .24 40 .12 18 278 .278	9 11 16 205 .22 42
60"	(.181 ft ²) 8" OVAL (.289 ft ²) 10" OVAL	CFM Ps NC Throw CFM Ps NC Throw CFM Ps	70 .03 <20	85 .04 <20	100 .05 21 5 8 11 128 .07 21 7 9 13 144 .07	1115 .07 25 6 9 147 .09 25 8 10 167 .09	130 .09 28 7 9 166 .11 29 8 10 189 .12	145 .11 32 8 10 184 .14 32 9 11 15	8 10 14 160 .13 35 .10 14 203 .17 .35 9 11 16 233 .18 .18	8 10 14 175 .16 37 .10 12 9 11 15 222 .20 .37 10 12 17 256 .21 .21	9 11 15 190 .19 40 .19 9 11 16 241 .24 40 .10 12 10 12 18 278 .25	9 11 16 205 .22 42 .9 11 16 260 .28 .28 .42 11 13 18 .300 .29 .29 .29 .29
.09	(.181 ft ²) 8" OVAL (.289 ft ²)	CFM Ps NC Throw CFM Ps NC Throw CFM	70 .03 <20 4 5 9 90 .03 <20 5 7 11 100 .03 <20	85 .04 <20 4 7 10 .05 <20 6 8 12 122 .05 <20	100 .05 21 5 8 11 128 .07 21 7 9 13 144 .07 21	115 .07 25 6 9 12 147 .09 25 8 10 14 167 .09 25	130 .09 28 7 9 166 .11 29 8 10 189 .12 29	145 .11 32 8 10 14 184 32 9 11 15 211 .15 32	8 10 14 160 .13 35 .10 14 203 .17 .35 9 11 16 233 .18 .35	8 10 14 175 .16 37	9 11 15 190 .19 40 .19 9 11 16 241 .24 40 .10 12 10 12 18 278 .25 .40	9 11 16 205 .22 42
.09	(.181 ft ²) 8" OVAL (.289 ft ²) 10" OVAL	CFM Ps NC Throw CFM Ps NC Throw CFM Ps NC Throw	70 .03 <20	85 .04 20 4 7 109 -20 6 8 122 .05 <20	100 .05 21 5 8 11 128 .07 21 7 9 13 144 .07 21 8 10 14	115 .07 25 6 9 12 147 .09 25 8 10 14 167 .09 25 8 10 15	130 .09 28 7 9 166 .11 29 8 10 189 .12 29 9 11	145 .11 32 8 10 14 .14 .14 .14 .14 .14 .14 .14 .14 .14 .14 .15 .32 9 12 16	8 10 14 160	8 10 14 175	9 11 15 190 .19 40 .19 241 .24 .10 12 18 278 .25 .25 40 .11 13 19	9 11 16 205 .22 42
60"	(.181 ft ²) 8" OVAL (.289 ft ²) 10" OVAL (.395 ft ²)	CFM Ps NC Throw CFM Ps NC Throw CFM Ps NC Throw CFM	70 .03 <20	85 .04 <20	100 .05 21 5 8 11 128 .07 21 7 9 13 144 .07 21 8 10 14 167	115 .07 25 6 9 147 .09 25 8 10 167 .09 25 8 10 14 167 .09 25 8 10 15 190	130 .09 28 7 9 166 .11 29 8 10 15 189 .12 29 9 11 16 213	145 .11 32 8 10 184 .14 32 9 11 15 211 .15 32 9 12 16 237	8 10 14 160	8 10 14 175	9 11 15 190	9 11 16 205 .22 42 .28 9 11 16 260 .28 42 .28 11 13 18 300 .29 42 .11 11 14 20 330
60"	(.181 ft ²) 8" OVAL (.289 ft ²) 10" OVAL (.395 ft ²) 12" OVAL	CFM Ps NC Throw CFM Ps NC Throw CFM Ps Throw CFM Ps	70 .03 <20 4 5 9 .03 <20 5 7 11 100 .03 <20 5 8 11 120 .04	85 .04 <20	100 .05 21 5 8 11 128 .07 21 7 9 13 144 .07 21 8 10 14 167 .07	115 .07 25 6 9 12 147 .09 25 8 10 14 167 .09 25 8 10 15 180 .10	130 .09 28 7 9 166 .11 29 8 10 .12 29 9 11 213 .12	145 .11 32 8 10 184 .14 32 9 11 15 32 9 12 16 237	8 10 14 160	8 10 14 175	9 11 15 190	9 11 16 205 .22 42 11 16 260 .28 42 .29 11 13 18 300 .29 42 .11 14 20 .29
.09	(.181 ft ²) 8" OVAL (.289 ft ²) 10" OVAL (.395 ft ²)	CFM Ps NC Throw CFM Ps NC Throw CFM Ps NC Throw CFM	70 .03 <20	85 .04 <20	100 .05 21 5 8 11 128 .07 21 7 9 13 144 .07 21 8 10 14 167	115 .07 25 6 9 147 .09 25 8 10 167 .09 25 8 10 14 167 .09 25 8 10 15 190	130 .09 28 7 9 166 .11 29 8 10 15 189 .12 29 9 11 16 213	145 .11 32 8 10 184 .14 32 9 11 15 211 .15 32 9 12 16 237	8 10 14 160	8 10 14 175	9 11 15 190	9 11 16 205 .22 42 .28 9 11 16 260 .28 42 .28 11 13 18 300 .29 42 .11 11 14 20 330

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-32.2 Anemostat

SCD-75 • 3/4" SLOT WIDTH • 2 SLOT • ONE WAY DISCHARGE

		CFM	40	52	63	75	87	98	110	122	133	145
	5" DIA	Ps	.02	.03	.04	.05	.07	.09	.12	.14	.17	.20
	(.136 ft ²)	NC	<20	<20	<20	23	27	31	34	37	40	42
		Throw	3 4 9	4 6 12	5 7 14	6 8 17	6 10 19	7 11 22	8 12 24	9 14 25	10 15 26	11 16 27
		CFM	50	62	73	85	97	108	120	132	143	155
	6" OVAL	Ps	.02	.03	.04	.06	.08	.09	.12	.14	.17	.19
	(.181 ft ²)	NC	<20	<20	20	24	28	32	35	37	40	42
	. ,	Throw	4 6 11	5 7 14	5 8 16	6 10 19	7 11 22	8 12 24	9 13 25	10 15 26	11 16 27	12 17 28
		CFM	60	72	83	95	107	118	130	142	153	165
1 1	8" OVAL	Ps	.02	.04	.05	.06	.08	.10	.12	.14	.16	.19
24"	(.289 ft ²)	NC	<20	<20	22	26	29	32	35	37	40	42
	· · · ·	Throw	4 7 13	5 8 16	6 9 19	7 11 21	8 12 23	9 13 25	10 15 26	11 16 27	11 17 28	12 18 29
		CFM	70	81	92	103	114	126	137	148	159	170
	10" OVAL	Ps	.02	.03	.04	.05	.07	.08	.09	.11	.13	.15
	(.395 ft ²)	NC	<20	20	24	27	30	33	35	38	40	42
	(,	Throw	5 8 16	6 9 18	7 10 21	8 12 23	9 13 24	9 14 25	10 15 26	11 17 28	12 18 29	13 19 30
		CFM	80	92	103	115	127	138	150	162	173	185
	12" OVAL	Ps	.03	.03	.04	.05	.06	.08	.09	.10	.12	.14
	(.682 ft ²)	NC	<20	21	25	28	31	34	36	38	40	42
	(.002 11)	Throw	6 9 18	7 10 20	8 12 23	9 13 24	9 14 25	10 15 27	11 17 28	12 18 29	13 19 30	14 21 31
		1111000	0 0 10	7 10 20	0 12 20	5 15 24	5 14 25	10 13 27	11 17 20	12 10 23	10 10 00	14 21 31
		CFM	60	72	84	97	109	121	133	146	158	170
	5" DIA	Ps	.02	.04	.05	.06	.08	.10	.12	.15	.17	.20
	(.136 ft ²)	NC	<20	<20	22	26	29	32	35	38	40	42
	```	Throw	4 6 13	5 8 15	6 9 18	7 10 20	8 11 22	8 13 23	9 14 24	10 15 26	11 17 27	12 18 28
		CFM	70	82	94	107	119	131	143	156	168	180
	6" OVAL	Ps	.03	.04	.05	.06	.08	.10	.12	.14	.16	.18
	(.181 ft ² )	NC	<20	<20	23	26	30	33	35	38	40	42
	(,	Throw	5 7 15	6 9 17	7 10 20	7 11 22	8 12 23	9 14 24	10 15 25	11 16 26	12 18 27	13 19 28
		CFM	80	93	107	120	133	147	160	173	187	200
	8" OVAL	Ps	.03	.04	.05	.07	.08	.10	.12	.14	.16	.19
30"	(.289 ft ² )	NC	<20	20	24	27	30	33	36	38	40	42
69	(	Throw	6 8 17	7 10 20	7 11 22	8 13 23	9 14 24	10 15 26	11 17 27	12 18 28	13 20 29	14 21 30
		CFM	90	103	117	130	143	157	170	183	197	210
	10" OVAL	Ps	.03	.04	.05	.06	.07	.09	.11	.12	.14	.16
	(.395 ft ² )	NC	<20	21	25	28	31	33	36	38	40	42
	(	Throw	6 9 19	7 11 22	8 12 23	9 14 24	10 15 25	11 16 26	12 18 28	13 19 29	14 21 30	15 22 31
		CFM	100	114	129	143	158	172	187	201	216	230
	12" OVAL	Ps	.03	.04	.05	.06	.07	.09	.10	.12	.14	.15
	$(.682 \text{ ft}^2)$	NC	<20	22	26	29	32	34	37	39	41	43
	(.002 11)	Throw	7 10 21	8 12 23	9 13 24	10 15 25	11 17 27	12 18 28	13 20 29	14 21 30	15 22 31	16 23 32
		THIOW	7 10 21	0 12 23	9 13 24	10 13 23	11 17 27	12 10 20	13 20 29	14 21 30	13 22 31	10 23 32
		CFM	70	84	98	112	126	139	153	167	181	195
	5" DIA	Ps	.03	.04	.05	.06	.08	.10	.12	.14	.17	.20
	(.136 ft ² )	NC	<20	<20	22	26	29	32	35	38	40	42
	· · · ·	Throw	5 7 14	5 8 16	6 9 19	7 11 21	8 12 22	9 14 23	10 15 24	11 16 25	12 18 26	13 19 27
		CFM	80	94	109	123	138	152	167	181	196	210
	6" OVAL	Ps	.03	.04	.05	.06	.08	.10	.12	.14	.16	.18
	(.181 ft ² )	NC	<20	<20	23	27	30	33	36	38	40	42
	(,	Throw	5 8 15		7 11 20				11 16 25			
		CFM	90	106	121	137	152	168	183	199	214	230
	8" OVAL	Ps	.03	.04	.05	.06	.08	.10	.11	.14	.16	.18
36"	(.289 ft ² )	NC	<20	<20	23	27	30	33	35	38	40	42
6.2	(.200 )	Throw	6 9 17	7 10 20	8 12 22	9 13 23	10 15 24	11 16 25	12 18 27	13 19 28	14 20 29	15 21 30
		CFM	100	117	133	150	167	183	200	217	233	250
	10" OVAL	Ps	.03	.04	.05	.06	.08	.09	.11	.13	.15	.17
	(.395 ft ² )	NC	<20	20	24	27	30	33	36	38	40	42
	(.000 ft )	Throw	6 10 19	8 11 21	9 13 23	10 15 24	11 16 25	12 18 27	13 19 28	14 20 29	15 21 30	16 22 31
		CFM	110	128	146	163	181	12 18 27	217	234	252	270
	12" O\/AI	Ps	.03	.04	.05	.06	.07	.09	.10	.12	.14	.16
	12" OVAL	1.5	.00	.04	.00	.00	.07	.00	.10	2	. (+	.10
	-	NC	<20	21	24	28	31	3/	36	30	<u>⊿1</u>	43
	(.682 ft ² )	NC Throw	<20 7 11 21	21 8 12 22	24 9 14 24	28 11 16 25	31 12 18 26	34 13 19 28	36 14 20 29	39 15 21 30	41 16 22 31	43 17 23 32



# SCD-75 • 3/4" SLOT WIDTH • 2 SLOT • ONE WAY DISCHARGE

		CFM	80	98	116	133	151	169	187	204	222	240
	5" DIA	Ps	.02	.03	.04	.06	.07	.09	.11	.13	.16	.18
	(.136 ft ² )	NC	<20	<20	20	24	28	31	34	37	39	42
		Throw	4 6 13	5 8 15	6 9 17	7 11 18	8 12 20	9 13 21	10 15 22	11 16 23	12 17 24	
		CFM	90	109	128	147	166	184	203	222	241	260
	6" OVAL	Ps	.02	.03	.04	.05	.07	.09	.10	.12	.15	.17
	(.181 ft ² )	NC	<20	<20	21	25	29	32	35	37	40	42
		Throw	5 7 14	6 9 17	7 10 18	8 12 19	9 13 21	10 15 22	11 16 23	12 17 24	13 18 25	
		CFM	100	122	144	167	189	211	233	256	278	300
48"	8" OVAL	Ps	.02	.03	.04	.06	.07	.09	.11	.13	.16	.18
4	(.289 ft ² )	NC	<20	<20	21	25	29	32	35	38	40	42
		Throw	5 8 16	6 10 18	8 11 19	9 13 21	10 15 22	11 16 23	12 17 24	13 18 26	15 19 27	
		CFM	120	142	164	187	209	231	253	276	298	320
	10" OVAL	Ps	.02	.04	.05	.06	.08	.09	.11	.13	.15	.18
	(.395 ft ² )	NC	<20	<20	22	26	29	32	35	37	40	42
		Throw	6 9 18	7 11 19	9 13 21	10 15 22	11 16 23	12 17 24	13 18 25	15 19 27	16 20 28	17 20 29
		CFM	140	162	184	207	229	251	273	296	318	340
	12" OVAL	Ps	.03	.04	.05	.06	.07	.09	.11	.12	.14	.16
	(.682 ft ² )	NC	<20	20	24	27	30	33	35	38	40	42
		Throw	7 11 19	9 13 20	10 15 22	11 16 23	12 17 24	13 18 25	14 19 26	16 19 28	16 20 29	17 21 30
		CFM	100	121	142	163	184	206	227	248	269	290
	5" DIA	CFM Ps	100 .02	121 .03	142 .05	163 .06	184 .08	206 .10	227 .12	248 .15	269 .17	290 .20
	5" DIA (.136 ft ² )											
		Ps	.02	.03	.05	.06	.08	.10	.12	.15	.17	.20
		Ps NC	.02 <20	.03 <20	.05 20	.06 25	.08 28	.10 31	.12 34	.15 37	.17 39	.20 42
		Ps NC Throw	.02 <20 4 6 11	.03 <20 5 7 12	.05 20 5 8 13	.06 25 6 9 14	.08 28 7 10 15	.10 31 8 11 16	.12 34 8 12 17	.15 37 9 13 18	.17 39 10 13 19	.20 42 11 14 19
	(.136 ft ² )	Ps NC Throw CFM	.02 <20 4 6 11 120	.03 <20 5 7 12 142	.05 20 5 8 13 164	.06 25 6 9 14 187	.08 28 7 10 15 209	.10 31 8 11 16 231	.12 34 8 12 17 253	.15 37 9 13 18 276	.17 39 10 13 19 298	.20 42 11 14 19 320
	(.136 ft ² ) 6" OVAL	Ps NC Throw CFM Ps	.02 <20 4 6 11 120 .02	.03 <20 5 7 12 142 .03	.05 20 5 8 13 164 .05	.06 25 6 9 14 187 .06	.08 28 7 10 15 209 .08	.10 31 8 11 16 231 .09	.12 34 8 12 17 253 .11	.15 37 9 13 18 276 .13	.17 39 10 13 19 298 .15	.20 42 11 14 19 320 .18 42
	(.136 ft ² ) 6" OVAL	Ps NC Throw CFM Ps NC	.02 <20 4 6 11 120 .02 <20	.03 <20 5 7 12 142 .03 <20	.05 20 5 8 13 164 .05 23	.06 25 6 9 14 187 .06 27	.08 28 7 10 15 209 .08 30	.10 31 8 11 16 231 .09 33	.12 34 8 12 17 253 .11 36	.15 37 9 13 18 276 .13 38	.17 39 10 13 19 298 .15 40	.20 42 11 14 19 320 .18 42
(	(.136 ft ² ) 6" OVAL	Ps NC Throw CFM Ps NC Throw	.02 <20 4 6 11 120 .02 <20 4 7 12	.03 <20 5 7 12 142 .03 <20 5 8 13	.05 20 5 8 13 164 .05 23 6 9 15	.06 25 6 9 14 187 .06 27 7 10 15	.08 28 7 10 15 209 .08 30 8 12 16	.10 31 8 11 16 231 .09 33 9 12 17	.12 34 8 12 17 253 .11 36 9 13 18	.15 37 9 13 18 276 .13 38 10 13 19	.17 39 10 13 19 298 15 40 11 14 20	.20 42 11 14 19 320 .18 42 12 14 20
6 <b>0</b> "	(.136 ft ² ) 6" OVAL (.181 ft ² )	Ps NC Throw CFM Ps NC Throw CFM	.02 <20 4 6 11 120 .02 <20 4 7 12 140	.03 <20 5 7 12 142 .03 <20 5 8 13 163	.05 20 5 8 13 164 .05 23 6 9 15 187	.06 25 6 9 14 187 .06 27 7 10 15 210	.08 28 7 10 15 209 .08 30 8 12 16 233	.10 31 8 11 16 231 .09 33 9 12 17 257	.12 34 8 12 17 253 .11 36 9 13 18 280	.15 37 9 13 18 276 .13 38 10 13 19 303	.17 39 10 13 19 298 .15 40 11 14 20 327	.20 42 11 14 19 320 .18 42 12 14 20 350
60"	(.136 ft ² ) 6" OVAL (.181 ft ² ) 8" OVAL	Ps NC Throw CFM Ps NC Throw CFM Ps	.02 <20 4 6 11 120 .02 <20 4 7 12 140 .03	.03 <20 5 7 12 142 .03 <20 5 8 13 163 .04	.05 20 5 8 13 164 .05 23 6 9 15 187 .05	.06 25 6 9 14 187 .06 27 7 10 15 210 .06	.08 28 7 10 15 209 .08 30 8 12 16 233 .08	.10 31 8 11 16 231 .09 33 9 12 17 257 .09	.12 34 8 12 17 253 .11 36 9 13 18 280 .11	.15 37 9 13 18 276 .13 38 10 13 19 303 .13	.17 39 10 13 19 298 .15 40 11 14 20 327 .15	.20 42 11 14 19 320 .18 42 12 14 20 350 .17 42
60"	(.136 ft ² ) 6" OVAL (.181 ft ² ) 8" OVAL	Ps NC Throw CFM Ps NC Throw CFM Ps NC	.02 <20 4 6 11 120 .02 <20 4 7 12 140 .03 <20	.03 <20 5 7 12 142 .03 <20 5 8 13 163 .04 <20	.05 20 5 8 13 164 .05 23 6 9 15 187 .05 23	.06 25 6 9 14 187 .06 27 7 10 15 210 .06 27	.08 28 7 10 15 209 .08 30 8 12 16 233 .08 30	.10 31 8 11 16 231 .09 33 9 12 17 257 .09 32	12 34 8 12 17 253 11 36 9 13 18 280 11 35	.15 37 9 13 18 276 .13 38 10 13 19 303 .13 37	.17 39 10 13 19 298 .15 40 11 14 20 327 .15 40	.20 42 11 14 19 320 .18 42 12 14 20 350 .17 42
60"	(.136 ft ² ) 6" OVAL (.181 ft ² ) 8" OVAL	Ps NC Throw CFM Ps NC Throw CFM Ps NC Throw	.02 <20 4 6 11 120 .02 <20 4 7 12 140 .03 <20 5 8 13	.03 <20 5 7 12 142 -03 <20 5 8 13 163 -04 <20 6 9 14	.05 20 5 8 13 164 .05 23 6 9 15 187 .05 23 7 10 15	.06 25 6 9 14 187 .06 27 7 10 15 210 .06 27 8 12 16	.08 28 7 10 15 209 .08 30 8 12 16 233 .08 30 9 12 17	.10 31 8 11 16 231 .09 33 9 12 17 257 .09 32 10 13 18	.12 34 8 12 17 253 .11 36 9 13 18 280 .11 35 10 13 19	.15 37 9 13 18 276 .13 38 10 13 19 303 .13 37 11 14 20	.17 39 10 13 19 298 .15 40 11 14 20 327 .15 40 12 14 20	.20 42 11 14 19 320 .18 42 12 14 20 350 .17 42 12 15 21
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	.02 <20 4 6 11 120 .02 <20 4 7 12 .03 <20 .03 .220 5 8 13 160	.03 <20 5 7 12 .03 <20 5 8 13 .04 .20 6 9 14 .86	.05 20 5 8 13 164 .05 23 6 9 15 187 .05 23 7 10 15 211	.06 25 6 9 14 187 .06 27 7 10 15 210 .06 27 8 12 16 237	.08 28 7 10 15 209 .08 30 8 12 16 233 .08 30 9 12 17 262	.10 31 8 11 16 231 .09 33 9 12 17 257 .09 32 10 13 18 288	.12 34 8 12 17 253 .11 36 9 13 18 280 .11 35 10 13 19 313	.15 37 9 13 18 276 .13 38 10 13 19 303 .13 37 11 14 20 339	.17 39 10 13 19 298 .15 40 11 14 20 327 .15 40 12 14 20 364	.20 42 111 14 19 320 .18 42 12 14 20 350 .17 42 12 15 21 390
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	.02 <20 4 6 11 .02 <20 4 7 12 .03 .03 .03 5 8 13 .160 .03	.03 <20 5 7 12 .03 <20 5 8 13 163 .04 <20 6 9 14 .86 .04	.05 20 5 8 13 164 .05 23 6 9 15 187 .05 23 7 10 15 211 .05	.06 25 6 9 14 187 .06 27 7 10 15 210 .06 27 8 12 16 237 .07	.08 28 7 10 15 209 .08 30 8 12 16 233 .08 30 9 12 17 262 .08	.10 31 8 11 16 231 .09 33 9 12 17 257 .09 32 10 13 18 288 .10	.12 34 8 12 17 253 .11 36 9 13 18 280 .11 35 10 13 19 313 .11	.15 37 9 13 18 276 .13 38 10 13 19 303 .13 37 11 14 20 339 .13	.17 39 10 13 19 298 .15 40 11 14 20 327 .15 40 12 14 20 364 .15	.20 42 111 14 19 320 .18 42 12 14 20 350 .17 42 12 15 21 390 .18 42
.09	(.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	.02 <20 4 6 11 120 .02 <20 4 7 12 140 .03 <20 5 8 13 160 .03 <20	.03 <20 5 7 12 .03 <20 5 8 13 163 .04 <20 6 9 14 .186 .04 20	.05 20 5 8 13 -164 -05 23 6 9 15 -187 -05 -23 7 10 15 -211 -05 -24	.06 25 6 9 14 187 .06 27 7 10 15 210 .06 27 8 12 16 237 .07 27	.08 28 209 .08 30 8 12 16 233 .08 30 9 12 17 262 .08 31	.10 31 8 11 16 231 .09 33 9 12 17 257 .09 32 10 13 18 288 .10 33	.12 34 8 12 17 253 .11 36 9 13 18 280 .11 35 10 13 19 313 .11 36	.15 37 9 13 18 276 .13 38 10 13 19 303 .13 37 11 14 20 339 .13 38	.17 39 10 13 19 298 .15 40 11 14 20 327 .15 40 12 14 20 364 .15 40	.20 42 11 14 19 320 .18 42 12 14 20 350 .17 42 12 15 21 390 .18 42
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	.02 <20 4 6 11 120 <20 4 7 12 140 .03 <20 5 8 13 160 .03 <22 6 9 14	.03 <20 5 7 12 142 <20 5 8 13 163 .04 <20 6 9 14 .04 .04 .04 .04 .04 .04 .04 .04 .04 .0	.05 20 5 8 13 164 23 6 9 15 187 .05 23 7 10 15 211 .05 211 .05 24 8 12 16	.06 25 6 9 14 187 .06 27 7 10 15 210 .06 27 8 12 16 237 .07 27 9 12 17	.08 28 7 10 15 209 .08 30 8 12 16 233 .08 30 9 12 17 262 .08 31 10 13 18	.10 31 8 11 16 231 .09 33 9 12 17 257 .09 32 10 13 18 288 .10 33 11 14 19	.12 34 8 12 17 253 .11 36 9 13 18 280 .11 35 10 13 19 313 .11 36 12 14 20	.15 37 9 13 18 276 .13 38 10 13 19 303 .13 37 11 14 20 339 .13 339 .13 38 12 15 21	.17 39 298 .15 40 11 14 20 327 .15 40 12 14 20 364 .15 40 .15 40 12 15 22	.20 42 11 14 19 320 .18 42 12 14 20 350 .17 42 12 15 21 390 .18 42 13 16 22
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	.02 <20 4 6 11 120 <20 4 7 12 140 .03 <20 5 8 13 160 .03 <20 6 9 14 170	.03 <20 5 7 12 .03 <20 5 8 13 .63 .04 <20 6 9 14 .86 .04 .04 .04 .04 .04 .04 .04 .04 .04 .04	$\begin{array}{c c c c c c c c c c c c c c c c c c c $	.06 25 6 9 14 187 27 7 10 15 210 .06 27 8 12 16 237 .07 27 9 12 17 253	.08 28 7 10 15 209 .08 30 233 .08 30 9 12 17 262 .08 31 10 13 18 281	.10 31 8 11 16 231 .09 33 9 12 17 257 .09 32 10 13 18 288 .10 33 11 14 19 309	.12 34 8 12 17 253 .11 36 9 13 18 280 .11 35 10 13 19 313 .11 36 12 14 20 337	.15 37 9 13 18 276 .13 38 10 13 19 303 .13 37 11 14 20 339 .13 38 12 15 21 364	.17 39 298 .15 40 11 14 20 327 .15 40 12 14 20 364 .15 40 .15 40 22 392	$\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-75 • 3/4" SLOT WIDTH • 3 SLOT • ONE WAY DISCHARGE

CPM         60         76         91         107         122         138         155         110         114         127         233           FDM         AC         C30         -C30         -C30 <th< th=""><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th></th<>													
Image         No. <th< td=""><th></th><td></td><td>CFM</td><td>60</td><td>76</td><td>91</td><td>107</td><td>122</td><td>138</td><td>153</td><td>169</td><td>184</td><td>200</td></th<>			CFM	60	76	91	107	122	138	153	169	184	200
Throw         4         5         11         5         10         10         11         12         14         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         16         16         17         10         12         12         16         16         17         10         11         13         16         16         17         16         16         17         16         16         16         16         16         16         16         16         16         16         16         16         16         16         16         16         16         16         16         16         16         16         16         16         16         16         16         16         16<		5" DIA	Ps	.02	.03	.04	.06	.08	.10	.12	.14	.17	.20
Throw         4         5         11         5         10         10         11         12         14         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         16         16         17         10         12         12         16         16         17         10         11         13         16         16         17         16         16         17         16         16         16         16         16         16         16         16         16         16         16         16         16         16         16         16         16         16         16         16         16         16         16         16         16         16         16         16         16<		(.136 ft ² )	NC	<20	<20	<20	24	28	31	34	37	40	42
CFM         70         68         101         117         122         148         103         113         138         146         220           (196 Å)         NC         -220         23         04         056         177         099         111         133         116         138           (196 Å)         NC         -220         23         04         115         116         133         116         133         116         133         116         133         116         133         116         133         116         133         116         133         116         133         116         133         116         133         116         133         116         133         116         133         116         133         116         133         116         133         116         133         117         131         12         131         131         131         131         131         131         131         131         131         131         131         131         131         131         131         131         131         131         131         131         131         131         131         131         131         131		( ,						<u> </u>		<u> </u>			
PCUA, (96)PT         PE													
(198 H)         MC         <20         20         24         22         31         34         37         39         42           Trow         4         35         6         1         0         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1													
Three 4         6         13         6         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10													
B*DA         CFM         860         188         118         133         155         1199         187         204         222         240           10         CFM         80         -30         -34         -36         -37         -39         -31         -31         -31         -31         -31         -31         -31         -31         -31         -31         -31         -31         -31         -31         -31         -31         -31         -31         -31         -31         -31         -31         -31         -31         -31         -31         -31         -31         -31         -31         -31         -31         -31         -31         -31         -31         -31         -31         -31         -31         -31         -31         -31         -31         -31         -31         -31         -31         -31         -31         -31         -31         -31         -31         -31         -31         -31         -31         -31         -31         -31         -31         -31         -31         -31         -31         -31         -31         -31         -31         -31         -31         -31         -31         -31         -31		(.19611)								<u> </u>			
No.         PPLA Process													
Throw         5         7         14         6         9         17         7         10         11         12         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11 <th></th> <td></td> <td>CFM</td> <td></td>			CFM										
Throw         5         7         14         6         9         17         7         10         11         12         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11 <th></th> <td>8" DIA</td> <td>Ps</td> <td>.02</td> <td>.03</td> <td>.04</td> <td>.06</td> <td>.07</td> <td>.09</td> <td>.11</td> <td>.13</td> <td>.16</td> <td>.18</td>		8" DIA	Ps	.02	.03	.04	.06	.07	.09	.11	.13	.16	.18
Throw         5         7         14         6         9         17         7         10         11         12         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11 <th>l Å</th> <td>(.349 ft²)</td> <td>NC</td> <td>&lt;20</td> <td>&lt;20</td> <td>21</td> <td>25</td> <td>29</td> <td>32</td> <td>35</td> <td>38</td> <td>40</td> <td>43</td>	l Å	(.349 ft ² )	NC	<20	<20	21	25	29	32	35	38	40	43
OFM         Io0         108         126         143         161         179         117         214         222         280           (39 ft)         NC         <20			Throw	5 7 14	6 9 17	7 10 21	8 12 24	9 14 27	10 15 29	11 17 31	12 18 32	13 20 34	14 21 35
10° OVAL (39 ft ⁺ )         Ps         0.2         0.3         0.4         0.5         0.7         0.8         1.0         1.2         1.4         1.6           10° OVAL (83 ft ⁺ )         Ps         0.2         0.3         0.4         0.5         0.7         0.8         1.0         1.2         1.4         1.6           168 ft ⁺ )         NC         <20         2.2         2.6         2.0         1.6         1.6         1.1         1.5         1.6         1.6         1.6         1.6         1.6         1.6         1.6         1.6         1.6         2.2         1.6         1.6         1.6         2.2         1.6         1.6         1.6         2.2         2.6         0.0         0.0         0.0         0.0         0.0         1.6         1.7         1.7         2.2         1.6         1.7         1.7         2.2         1.6         1.7         1.7         2.2         1.6         1.7         1.7         2.2         1.6         1.7         1.7         2.2         1.6         1.7         1.7         2.2         2.6         2.2         2.6         2.2         2.6         2.2         2.6         2.2         2.6         2.2         2.6			CFM	90	108	126	143	161	179	197	214	232	250
(395 ft)         NC         <20         22         26         29         32         35         36         40         42           12*0VAL         FTmow 5         5         16         16         10         17         116         20         12         116         20         12         13         12         14         16         20         12         14         16         20         13         222         22         12         14         16         20         13         222         22         26         30         33         35         38         40         42         30         40         42         30         16         30         12         17         32         13         13         14         16         12         16         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13 </td <th></th> <td>10" OVAL</td> <td></td> <td></td> <td>03</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>		10" OVAL			03								
The N         5         8         16         10         9         7         11         22         9         11         16         9         13         14         21         32         14         21         32         14         15         22         251           12" OVAL         PS         0.2         0.3         0.4         0.5         0.6         0.8         0.9         111         13         15           NC         -20         -20         -20         22         26         30         33         35         36         40         42           Throw         6         9         18         7         11         21         8         12         25         14         28         10         161         30         147         163         180         177         21         20           (136 fr)         Ps         .02         .03         .04         .06         .07         .08         107         11         22         14         27         10         12         13         13         13         13         13         13         13         14         21         13         13         14													
12° OVAL (682 P)         CPM         100         119         118         1157         176         194         213         232         231         270           PS         0.2         0.30         0.4         0.5         0.6         0.86         0.90         111         13         15           Trow         6         9         18         7         11         12         8         12         28         9         14         28         10         16         33         36         38         40         42           CPM         89         0.2         0.4         0.5         0.6         0.8         10         12         15         17         220           CFM         0.0         105         103         111         190         197         213         220         230           CFM         0.0         105         100         11         12         18         116         117         117         220         230         235         38         40         42           CFM         0.0         105         105         111         21         12         21         11         130         12         13		(.000 11 )											
12' OVAL (682 f ⁺ )         0.9         0.11         0.33         0.4         0.95         0.66         0.86         0.99         1.11         1.33         1.5           NC         c.20         c.21         c.22         c.20         c.20         c.20         c.21         c.22         c.20         c.20         c.21         c.22         c.20         c.22         c.20         c.22         c.20         c.22         c.20         c.21         c.20         c.22         c.20         c.21         c.20         c.20         c.20         c.21         c.20         c.22         c.20         c.21 <thc.20< th=""> <thc.22< th=""></thc.22<></thc.20<>													
(682 fr)         NC         <20         22         26         30         33         35         38         40         42           Trow         6         9         18         7         11         21         8         12         12         13         13         13         14         21         34         14         21         34         16         22         36         16         24         37           S'DA (158 fr)         CFM         90         -7         113         130         147         163         118         118         18         14         21         15         21         223         23         34         37         39         442           6*DA (196 fr)         CFM         90         108         126         143         161         179         214         2213         235         38         40         442           6*DA (196 fr)         R         0.2         .03         .04         .06         .07         .09         111         131         131         131         131         131         131         131         131         131         131         131         131         131         131													
Throw         6         9         18         7         11         21         25         9         14         28         10         16         30         12         17         32         13         19         33         14         21         34         15         22         36         16         24         37           S' DIA (136 ft ² )         CPM         80         97         113         130         147         163         180         197         213         230           CFM         80         97         113         130         147         163         180         197         214         232         234         37         39         42           CFM         90         108         126         143         181         179         214         22         255         38         40         42           (196 ft)         NC         <20         .03         .04         .06         .07         .09         .11         .13         .15         .18           (196 ft)         NC         <20         .03         .04         .06         .07         .09         .11         .13         .15         .18 </td <th></th> <td></td>													
6*DA (136 ft ² )         CFM         80         97         113         130         147         163         1100         197         213         220           6*DA (136 ft ² )         Pa         0.2         0.4         0.5         0.6         0.8         10         12         15         1.7         220           6*DA (196 ft ² )         C=Z0         221         25         28         32         34         37         39         42           6*DA (196 ft ² )         OFM         90         108         126         143         161         179         117         214         232         250         250         28         32         35         38         40         42         131         19         32         42         131         19         32         280         280         32         35         38         40         42         131         19         32         44         42         131         19         32         44         42         131         13         19         24         42         131         130         131         130         131         130         131         130         131         130         130         1		(.682 ft ⁻ )											
S ⁺ DIA (1.36 ft ⁺ )         Ps         .02         .04         .06         .08         .10         .12         .15         .17         .20           Throw         4         7         13         5         8         16         6         9         19         7         11         22         8         12         23         34         37         39         42           6'DIA (196 ft ⁺ )         Q         10         108         120         144         161         117         11         13         15         .18         13         19         32         235         38         40         42         13         121         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11			Throw	6 9 18	7 11 21	8 12 25	9 14 28	10 16 30	12 17 32	13 19 33	14 21 34	15 22 36	16 24 37
S ⁺ DIA (1.36 ft ⁺ )         Ps         .02         .04         .06         .08         .10         .12         .15         .17         .20           Throw         4         7         13         5         8         16         6         9         19         7         11         22         8         12         23         34         37         39         42           6'DIA (196 ft ⁺ )         Q         10         108         120         144         161         117         11         13         15         .18         13         19         32         235         38         40         42         13         121         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11			0511		67	4.10	100	4	102	400	407	0.10	000
Image: 10.16 mb)         NC         <20         <21         25         28         32         34         37         39         42           Throw         4         7         13         5         8         16         6         9         19         7         11         26         14         27         10         15         28         11         16         30         12         18         31         31         31         31         31         31         31         31         31         31         31         31         31         31         31         31         31         31         31         31         31         31         31         31         31         31         31         31         31         31         31         31         31         31         31         31         31         31         31         31         31         31         31         31         31         31         31         31         31         31         31         31         31         31         31         31         31         31         31         31         31         31         31         31         31         31													
Image: Normal Markov Marka Markov Markov Markov Markov Markov Markov Markov M		0											
Ger DA (.196 ft ² )         Ger M PS         90/ -0.22         106         126         143         161         1779         197         214         222         250           Throw         5         8         15         6         9         18         7         11         21         8         15         8         14         7         11         21         8         22         26         29         32         35         38         40         42         8         11         16         13         11         13         15         18           CFM         100         120         140         160         180         200         220         240         2280         280           8" DIA         Ps         .02         .03         .04         .06         .07         .09         .11         .13         .15         .18           (.399 ft ² )         NC         <20         .03         .04         .05         .07         .09         .11         .13         .13         .20         .33         .15         .21         .31         .15         .11         .16         .31         .21         .31         .31         .31		(.136 ft ² )	NC	<20	<20	21	25	28	32	34	37		
6° DA (196 fř)         Ps         0.2         0.3         0.4         0.6         0.7         0.9         1.11         1.3         1.5         1.8           MC         <20         <20         22         26         29         32         35         38         40         42           Throw         5         8         1.5         6         9         1.8         7         1.1         2.1         8         1.2         2.4         9         32         35         38         40         42           CFM         100         120         144         160         180         200         220         240         280         280           MC         <20         <20         33         0.4         .06         .07         .09         .11         1.3         .15         .18           NC         <20         .33         .04         .05         .07         .09         .10         .12         .18         .16         233         .15         .21         .16         .22         .23         .23         .27         .23         .27         .23         .27         .23         .27         .23         .27         .23			Throw	4 7 13	5 8 16	6 9 19	7 11 22	8 12 25	9 14 27	10 15 28	11 16 30	12 18 31	13 19 32
Image: 10 model         NC         <20         <20         22         26         29         32         35         38         40         42           Throw         5         8         115         6         9         18         7         112         18         12         18         11         16         30         12         18         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         14         13         13         14			CFM	90	108	126	143	161	179	197	214	232	250
Image: 10 model         NC         <20         <20         22         26         29         32         35         38         40         42           Throw         5         8         115         6         9         18         7         112         18         12         18         11         16         30         12         18         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         14         13         13         14		6" DIA	Ps	.02	.03	.04	.06	.07	.09	.11	.13	.15	.18
Fire         Throw         6         8         16         6         9         18         7         11         21         8         12         24         9         13         27         10         16         28         11         16         30         12         18         13         19         32         14         21         33           8' DIA (349 ft)         (349 ft)         (349 ft)         (36         17         10         0.04         0.06         0.07         0.09         1.11         1.3         1.15         1.8         1.16         1.3         1.15         1.16         1.16         1.17         1.01         1.31         1.52         1.17         1.01         1.15         2.81         11         1.17         1.01         1.12         1.16         1.16         1.01         1.12         1.16         1.11         1.11         1.11         1.16         1.11         1.11         1.11         1.11         1.11         1.11         1.11         1.11         1.11         1.11         1.11         1.11         1.11         1.11         1.11         1.11         1.11         1.11         1.11         1.11         1.11         1.11         1.11				<20	<20	22	26	29	32				
Image: CFM         100         120         140         160         180         200         220         240         260         280           8* DIA (.349 H ² )         Ps         0.02         .03         .04         .06         .07         .09         .11         .13         .15         .18           10° OVAL (.395 H ² )         Ps         .02         .03         .04         .06         .07         .09         .11         .13         .05         .16         .18           10° OVAL (.395 H ² )         Ps         .02         .03         .04         .05         .07         .09         .10         .12         .14         .16         .16         .13         .15         .23         .14         .16         .23         .12         .14         .16         .12         .14         .16         .12         .14         .16         .10         .12         .14         .16         .12         .14         .16         .12         .14         .16         .15         .27         .28         .27         .26         .29         .32         .35         .38         .40         .42           10° OVAL (.682 H ² )         NC         <20		( ,								<u> </u>			
PS         O.Q         O.Q <tho< th=""> <tho< th=""> <tho< th=""></tho<></tho<></tho<>								<u> </u>		<u></u>		<u> </u>	
Throw         6         8         17         7         10         20         8         12         23         9         13         27         10         10         131         152         17         19         216         237         288         279         300           10' OVAL (395 ft ²⁾ Ps         .02         .03         .04         .05         .07         .09         .10         .12         .14         .16         .12         .14         .16         .12         .14         .16         .12         .14         .16         .12         .14         .16         .12         .14         .16         .12         .14         .16         .12         .14         .16         .12         .14         .16         .13         .12         .21         .13         .20         .33         .14         .21         .14         .16         .23         .26         .28         .20         .23         .21         .21         .21         .21         .21         .21         .21         .21         .21         .21         .21         .21         .21         .21         .21         .21         .21         .21         .21         .21         .21	8												
Throw         6         8         17         7         10         20         8         12         23         9         13         27         10         10         131         152         17         19         216         237         288         279         300           10' OVAL (395 ft ²⁾ Ps         .02         .03         .04         .05         .07         .09         .10         .12         .14         .16         .12         .14         .16         .12         .14         .16         .12         .14         .16         .12         .14         .16         .12         .14         .16         .12         .14         .16         .12         .14         .16         .12         .14         .16         .13         .12         .21         .13         .20         .33         .14         .21         .14         .16         .23         .26         .28         .20         .23         .21         .21         .21         .21         .21         .21         .21         .21         .21         .21         .21         .21         .21         .21         .21         .21         .21         .21         .21         .21         .21													
CFM         110         131         152         173         194         216         237         258         279         300           10' OVAL (.395 ft ² )         Ps         .02         .03         .04         .05         .07         .09         .10         .12         .14         .16           (395 ft ² )         C          .02         .03         .04         .05         .07         .09         .10         .12         .14         .16           (395 ft ² )         C         20         .22         .26         .29         .32         .35         .38         .40         .42           12" OVAL (.682 ft ² )         Ps         .02         .03         .04         .05         .07         .08         .10         .12         .14         .16         .12         .14         .16         .12         .14         .16         .12         .14         .16         .12         .14         .12         .14         .16         .12         .14         .21         .13         .13         .19         .21         .14         .21         .23         .25         .7         .25         .29         .23         .35         .38         .40	က	(.349 ft )								<u> </u>			
10° OVAL (396 ft ² )         Ps        02        03        04        05        07        09        10        12        14        16           Throw         6         9         18<7													
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$		401 01 (41											
$ \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$		(.395 ft [−] )								<u> </u>			
12" OVAL (.682 ft ² )         Ps         .02         .03         .04         .05         .07         .08         .10         .12         .14         .16           NC         <20								<u> </u>					
(.682 ft ² )         NC         <20         <22         26         29         32         35         38         40         42           Throw         7         10         20         8         12         24         9         14         27         10         16         29         12         17         31         13         19         32         14         21         34         15         23         35         17         25         37         18         27         38           5" DIA (.136 ft ² )         Ps         .02         .03         .05         .07         .08         .10         .13         .15         .18         .21           NC         <20			CFM										
Throw         7         10         20         8         12         24         9         14         27         10         16         29         12         17         31         13         19         32         14         21         34         15         23         35         17         25         37         18         27         38           5" DIA (136 ft ² )         CEM         90         110         130         150         170         190         210         230         250         270         280           6" DIA (196 ft ² )         Ps         .02         .03         .05         .07         .08         .10         15         11         16         28         12         18         30         13         19         31         14         21         32           6" DIA (196 ft ² )         Ps         .02         .03         .04         .05         .07         .09         .10         .12         .15         .17           10         0.2         .20         .21         .25         .29         .32         .35         .38         .40         .42         .16         .17           110         .13 <th< td=""><th></th><td>12" OVAL</td><td>Ps</td><td>.02</td><td>.03</td><td>.04</td><td>.05</td><td>.07</td><td></td><td>.10</td><td>.12</td><td></td><td>.16</td></th<>		12" OVAL	Ps	.02	.03	.04	.05	.07		.10	.12		.16
S" DIA (.136 ft ² )         CFM         90         110         130         150         170         190         210         230         250         270           NC         <20         .02         .03         .05         .07         .08         .10         .13         .15         .18         .21           NC         <20         <20         21         25         29         32         35         38         40         42           Throw 5         7         14         6         9         17         7         10         20         8         12         23         9         13         26         10         15         27         11         16         28         12         18         30         13         19         31         14         21         32           6" DIA (.196 ft ² )         Ps         .02         .03         .04         .05         .07         .09         .10         .12         .15         .17           NC         <20         .22         .03         .04         .05         .07         .09         .10         .12         .15         .17           NC         <20         .02		(.682 ft ² )	NC	<20	<20	22	26	29	32	35	38	40	42
$ \begin{tabular}{ c c c c c c c c c c c c c c c c c c c$			Throw	7 10 20	8 12 24	9 14 27	10 16 29	12 17 31	13 19 32	14 21 34	15 23 35	17 25 37	18 27 38
$ \begin{tabular}{ c c c c c c c c c c c c c c c c c c c$	-							· · · ·	· · · ·				· · · · · · · · ·
$ \  \  \  \  \  \  \  \  \  \  \  \  \ $			CFM	90	110	130	150	170	190	210	230	250	270
$ \begin{tabular}{ c c c c c c c c c c c c c c c c c c c$		5" DIA	Ps	.02	.03	.05	.07	.08	.10	.13	.15	.18	.21
$ \  \  \  \  \  \  \  \  \  \  \  \  \ $		(.136 ft ² )	NC	<20	<20	21	25	29	32	35	38	40	42
6" DIA (.196 ft ² )         CFM         100         121         142         163         184         206         227         248         269         290           6" DIA (.196 ft ² )         Ps         .02         .03         .04         .05         .07         .09         .10         .12         .15         .17           NC         <20         <20         21         25         29         32         35         38         40         42           Throw         5         8         15         6         9         19         7         11         22         8         13         25         10         14         27         11         16         28         12         18         30         13         19         31         14         21         32         15         22         33           8" DIA (.349 ft ² )         Ps         .02         .03         .04         .05         .07         .09         .11         .13         .15         .17           NC         <20         .02         .03         .04         .05         .07         .09         .11         .13         .15         .17           NC         <			Throw	5 7 14	6 9 17	7 10 20	8 12 23	9 13 26	10 15 27	11 16 28	12 18 30	13 19 31	14 21 32
$ \begin{tabular}{ c c c c c c c c c c c c c c c c c c c$			CFM	100	121	142	163	184	206		248	269	290
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$		6" DIA											
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$													
B" DIA (.349 ft ² )         CFM         110         133         157         180         203         227         250         273         297         320           NC         Ps         .02         .03         .04         .05         .07         .09         .11         .13         .15         .17           NC         <20		(						<u> </u>		<u> </u>			
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$										<u></u>		<u> </u>	
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$		8" DIA											
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	0												
CFM         120         146         171         197         222         248         273         299         324         350           10" OVAL (.395 ft ² )         Ps         .02         .03         .04         .05         .07         .09         .10         .12         .15         .17           NC         <20	(m)	(.349 ft )											
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$													
(.395 ft ² )       NC       <20       <21       25       29       32       35       38       40       42         Throw       6       9       19       8       11       23       9       13       26       10       15       27       11       17       29       32       35       38       40       42         Throw       6       9       19       8       11       23       9       13       26       10       15       27       11       17       29       31       14       21       32       15       38       40       42         12" OVAL       Ps       .02       .03       .05       .06       .07       .09       .11       .13       .15       .17         (.682 ft ² )       NC       <20		101 01 (1)											
Throw         6         9         19         8         11         23         9         13         26         10         15         27         11         17         29         13         19         31         14         21         32         15         23         34         17         25         35         18         26         37           12" OVAL         Ps         .02         .03         .05         .06         .07         .09         .11         .13         .15         .17         .17           1.682 ft ² NC         <20													
CFM         140         167         193         220         247         273         300         327         353         380           12" OVAL (.682 ft ² )         Ps         .02         .03         .05         .06         .07         .09         .11         .13         .15         .17           NC         <20		(.395 ft ² )											
12" OVAL (.682 ft ² )         Ps         .02         .03         .05         .06         .07         .09         .11         .13         .15         .17           NC         <20								<u> </u>					
(.682 ft ² ) NC <20 <20 23 26 30 33 36 38 40 42			CFM	140	167	193	220	247	273	300	327	353	
Throw 7 11 22 9 13 25 10 15 27 11 17 29 13 19 11 21 21 9 13 15 27 21 1 17 29 13 19 11 17 21 32 15 23 34 17 25 35 18 26 37 20 27 38			Ps										
			Ps		<20		26	30	33				

# SCD-75 • 3/4" SLOT WIDTH • 3 SLOT • ONE WAY DISCHARGE

		CFM	110	136	161	187	212	238	263	289	314	340
	5" DIA	Ps	.02	.03	.05	.06	.08	.11	.13	.16	.18	.22
	(.136 ft ² )	NC	<20	<20	20	25	28	32	35	38	40	42
		Throw	5 7 14	6 9 17	7 10 20	8 12 22	9 13 23	10 15 25	11 17 26	12 18 27	13 20 28	14 21 30
		CFM	130	156	181	207	232	258	283	309	334	360
	6" DIA	Ps	.02	.03	.04	.05	.06	.08	.10	.11	.13	.16
	(.196 ft ² )	NC	<20	<20	22	26	29	32	35	38	40	42
		Throw	5 8 16	7 10 20	8 11 22	9 13 23	10 15 24	11 16 26	12 18 27	13 20 28	14 21 29	15 21 30
_		CFM	150	178	206	233	261	289	317	344	372	400
5	8" DIA	Ps	.02	.03	.04	.06	.07	.09	.10	.12	.14	.17
48"	(.349 ft ² )	NC	<20	<20	22	26	29	32	35	38	40	42
		Throw	6 9 19	7 11 21	9 13 23	10 15 24	11 17 26	12 18 27	13 20 28	15 21 30	16 22 31	17 23 32
		CFM	170	200	230	260	290	320	350	380	410	440
	10" OVAL (.395 ft ² )	Ps	.03	.04	.05	.06	.07	.09	.11	.13	.15	.17
		NC	<20	<20	22	26	29	32	35	37	40	42
		Throw	7 11 21	8 13 23	10 15 24	11 16 26	12 18 27	13 20 29	15 21 30	16 22 31	17 23 32	19 24 34
		CFM	180	213	247	280	313	347	380	413	447	480
	12" OVAL	Ps	.03	.04	.05	.06	.08	.10	.11	.14	.16	.18
	(.682 ft ² )	NC	<20	<20	22	26	29	32	35	38	40	42
		Throw	8 11 21	9 13 23	10 16 25	12 18 27	13 20 28	15 21 30	16 22 31	17 23 33	19 24 34	20 25 35
											-	
		CFM	140	169	198	227	256	284	313	342	371	400
	5" DIA	Ps	.03	.04	.06	.07	.09	.12	.14	.17	.20	.23
	(.136 ft ² )	NC	<20	<20	21	25	29	32	35	37	40	42
		Throw	4 6 13	5 8 15	6 9 16	7 10 17	8 11 18	8 13 19	9 14 20	10 15 21	11 15 22	12 16 23
		CFM	150	181	212	243	274	306	337	368	399	430
	6" DIA	Ps	.02	.03	.04	.05	.06	.07	.09	.11	.13	.15
	(.196 ft ² )	NC	<20	<20	21	25	29	32	35	38	40	42

..09

ANSI / ASHRAE standard 70

8" DIA

(.349 ft²)

10" OVAL

 $(.395 \text{ ft}^2)$ 

12" OVAL

(.682 ft²)

· Isothermal air used during testing.

Throw

CFM

Ps

NC

Throw

CFM

Ps

NC

Throw

CFM

Ps

NC

Throw

4 7 13

160

.02

<20

180

.02

<20

8

.02

<20

6 9 16

5 200 15

5 7 14 5 8 15

198

.03

<20

220

.03

<20

242

.03

<20

10 17

6 9 16 6 9 16

236

.04

20

11

260

.04

21

8 12 18

284

.04

21

7

11 18 8

273

.05

25

8 12 19

300

.06

25

9 13 20

327

.06

25

### 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

12 19

311

.07

29

340

07

29

10 15 21

369

.07

29

9 14 20

7 11 18 8 13 19 10 14 20 11 15 22 12 16 23 14 17 24

9 14 20

349

.09

32

10 15 21

380

09

32

11 16 22

411

.09

32

10 15 21

387

.11

35

12 16 22

420

11

35

13 16 23

453

.11

35

· 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.

11 15 22

424

.13

38

13 16 23

460

.13

38

14 17 24

496

.13

37

12 16 23

462

.15

40

14 17 24

500

.16

40

538

.16

40

15 18 25 15 19 26 16 19 27

15

18 25

13 17 23

500

.18

43

15 18 25

540

.18

42

15 19 26

580

.18

42

## Pressure

· PS represents static pressure, inches of water



# SCD-75 • 3/4" SLOT WIDTH • 4 SLOT • ONE WAY DISCHARGE

CPM         CPM         000         080         116         133         151         000         157         200         120         120         120         120         120         120         120         120         120         120         120         120         120         120         120         120         120         120         120         120         120         120         120         120         120         120         120         120         120         120         120         120         120         120         120         120         120         120         120         120         120         120         120         120         120         120         120         120         120         120         120         120         120         120         120         120         120         120         120         120         120         120         120         120         120         120         120         120         120         120         120         120         120         120         120         120         120         120         120         120         120         120         120         120         120         120         120 <th></th>													
INC         ····································			CFM	80	98	116	133	151	169	187	204	222	240
Theor         i         j         j         j         j         j         j         j         j         j         j         j         j         j         j         j         j         j         j         j         j         j         j         j         j         j         j         j         j         j         j         j         j         j         j         j         j         j         j         j         j         j         j         j         j         j         j         j         j         j         j         j         j         j         j         j         j         j         j         j         j         j         j         j         j         j         j         j         j         j         j         j         j         j         j         j         j         j         j         j         j         j         j         j         j         j         j         j         j         j         j         j         j         j         j         j         j         j         j         j         j         j         j         j         j         j		5" DIA	Ps	.02	.03	.04	.06	.07	.09	.11	.13	.16	.18
Final         GFM         190         1700         1720         147         190         190         203         222         241         200           190         NC         420         3.3         3.44         3.55         270         3.8         4.40         4.2           1900         1         100         110         130         150         170         140         210         111         230         16         3.8         4.40         4.2           1900         P         4.20         3.0         190         110         190         210         7.11         3.13         1.15         1.17         1.16         3.1         1.16         3.1         1.17         1.16         3.1         1.17         1.16         3.1         1.17         1.16         3.1         1.17         1.16         3.1         1.17         1.16         3.1         1.17         1.16         3.1         1.17         1.16         3.1         1.17         1.16         3.1         1.17         1.16         3.1         1.17         1.16         3.1         1.17         1.11         3.1         1.11         3.1         1.11         3.1         1.11         1.11         <		(.136 ft ² )	NC	<20	<20	20	25	28	32	35	37	40	42
PTM         CFM         96         -02         -100         -128         -147         -166         -164         -203         -222         -241         220         -115         -117          MC         -220         -220         -221         221         222         325         356         380         440         42           PM         -220         0         10         110         15         117         16         31         16         32         12         35         356         380         440         42           CFM         110         6         17         1         10         11         10         11         10         11         11         11         11         13         11         13         10         17         11         13         10         11         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13			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 32
P10         P10         -02         -03         -04         -05         -07         -00         -10         -12         -13         -13         -13         -13         -13         -13         -13         -13         -13         -13         -13         -13         -13         -13         -13         -13         -13         -13         -13         -13         -13         -13         -13         -13         -13         -13         -13         -13         -13         -13         -13         -13         -13         -13         -13         -13         -13         -13         -13         -13         -13         -13         -13         -13         -13         -13         -13         -13         -13         -13         -13         -13         -13         -13         -13         -13         -13         -13         -13         -13         -13         -13         -13         -13         -13         -13         -13         -13         -13         -13         -13         -13         -13         -13         -13         -13         -13         -13         -13         -13         -13         -13         -13         -13         -13         -13         -13 <th></th> <td></td>													
Image         No. <th< td=""><th></th><td>6" DIA</td><td></td><td>.02</td><td>.03</td><td>.04</td><td>.05</td><td>.07</td><td>.09</td><td>.10</td><td>.12</td><td>.15</td><td></td></th<>		6" DIA		.02	.03	.04	.05	.07	.09	.10	.12	.15	
Three         4         6         12         5         7         15         6         9         17         7         10         100         100         100         200         230         230         230         230         230         230         230         230         230         230         230         230         230         230         230         230         230         230         230         230         230         230         230         230         230         230         230         230         230         230         230         230         230         230         230         230         230         230         230         230         230         230         230         230         230         230         230         230         230         230         230         230         230         230         230         230         230         230         230         230         230         230         230         230         230         230         230         230         230         230         230         230         230         230         230         230         230         230         230         230         230         23													
Prov         CPM         1100         1300         1100         1300         1300         1300         1300         1300         1300         1300         1300         131         131         131         131         131         131         131         131         131         131         131         131         131         131         131         131         131         131         131         131         131         131         131         131         131         131         131         131         131         131         131         131         131         131         131         131         131         131         131         131         131         131         131         131         131         131         131         131         131         131         131         131         131         131         131         131         131         131         131         131         131         131         131         131         131         131         131         131         131         131         131         131         131         131         131         131         131         131         131         131         131         1311         131		(											
Phot         Phot         0.02         0.03         0.05         0.06         0.77         0.99         1.11         1.13         1.15         1.77           Phot         S 1         S 1         S 1         S 1         S 1         S 1         S 1         S 1         S 1         S 1         S 1         S 1         S 1         S 1         S 1         S 1         S 1         S 1         S 1         S 1         S 1         S 1         S 1         S 1         S 1         S 1         S 1         S 1         S 1         S 1         S 1         S 1         S 1         S 1         S 1         S 1         S 1         S 1         S 1         S 1         S 1         S 1         S 1         S 1         S 1         S 1         S 1         S 1         S 1         S 1         S 1         S 1         S 1         S 1         S 1         S 1         S 1         S 1         S 1         S 1         S 1         S 1         S 1         S 1         S 1         S 1         S 1         S 1         S 1         S 1         S 1         S 1         S 1         S 1         S 1         S 1         S 1         S 1         S 1         S 1         S 1         S 1													
Throw         5         7         16         9         17         7         10         10         10         11         17         34         11         17         34         11         17         34         11         17         35         13         15         13         15         13         15         13         15         13         15         13         15         13         15         13         15         13         15         13         15         13         15         13         15         13         15         13         15         13         15         13         15         13         15         13         15         13         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15<		8" DIA											
Throw         5         7         16         9         17         7         10         10         10         11         17         34         11         17         34         11         17         34         11         17         35         13         15         13         15         13         15         13         15         13         15         13         15         13         15         13         15         13         15         13         15         13         15         13         15         13         15         13         15         13         15         13         15         13         15         13         15         13         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15<	4												
CFM         130         151         172         193         214         226         227         278         298         290         200           10         VML         PB         303         .04         05         .06         .06         .03         .33         .38         .40         .42         .42           11         13         1.15         21         12         14         21         .33         .38         .40         .42         .42           12         VML         PB         .03         .04         .05         .06         .08         .09         .10         .13         .11         .13         .11         .13         .11         .13         .11         .13         .11         .13         .11         .12         .14         .15         .11         .13         .11         .12         .14         .13         .11         .12         .14         .15         .15         .25         .26         .22         .26         .27         .248         .26         .26         .27         .26         .27         .26         .27         .28         .27         .23         .23         .33         .31         .11         .	$\sim$	(.349 ft )										<u> </u>	
10°         UAL         Ps         0.35         0.4         0.95         0.06         0.86         0.10         1.11         1.33         1.16         1.88           (30 fr)         NC         <         0         1.2         2.0         2.3         2.7         30         33         1.35         36         36         36         36         36         36         36         36         36         36         36         36         36         36         36         36         36         36         36         36         36         36         36         36         36         36         36         36         36         36         36         36         36         36         36         36         36         36         36         36         36         36         36         36         36         36         36         36         36         36         36         36         36         36         36         36         36         36         36         36         36         36         36         36         36         36         36         36         36         36         36         36         36         36         36      <													
(39.6 k)         NC         <20         23         27         30         33         35         38         40         42           17         10         10         11         10         11         20         11         21         13         21         35         38         40         42           12*         VAL         Ps         0.3         04         0.5         0.6         0.8         0.9         1.0         1.2         1.4         1.6           12*         VAL         Ps         0.3         0.4         0.5         0.6         0.8         10         1.2         1.4         1.6         2.3         35         38         40         42           Trow         7         10         20         8         10         1.4         2.1         1.6         1.1         1.7         34         12         9.4         3.5         3.8         4.0         42           10.0         12         1.4         1.3         1.6         1.6         1.8         1.1         1.7         1.3         1.2         1.4         1.3         1.1         1.3         1.1         1.3         1.1         1.3         1.1													
Trow         6         9         17         10         20         9         13         26         11         16         32         11         17         34         12         10         14         21         35         13         20         37         14         21         35           12°         OVAL         P8         .03         .04         .05         .06         .08         .09         .10         .12         .13         40         .42         .13         .13         .11         .11         .13         .11         .11         .13         .11         .11         .11         .11         .11         .11         .11         .11         .11         .11         .11         .11         .11         .11         .11         .11         .11         .11         .11         .11         .11         .11         .11         .11         .11         .11         .11         .11         .11         .11         .11         .11         .11         .11         .11         .11         .11         .11         .11         .11         .11         .11         .11         .11         .11         .11         .11         .11         .11													
IP         CPA         150         171         192         213         234         256         277         286         319         340           (682 h ² )         PB         0.3         0.4         0.5         0.6         0.8         0.8         10         1.2         1.4         18           Trow         7         10         20         8         11         25         28         31         33         35         38         40         42           Trow         7         10         20         8         11         23         11         17         34         12         19         31         26         33         35         38         40         42           (136 h ² )         PB         0.02         .03         .05         .06         .06         .00         .10         .12         .14         .17         .19         .12         .18         14         24         17         31         21         23         23         25         35         37         .40         .42           (136 h ¹ )         PS         .03         .04         .05         .07         .08         .10         .111         .		(.395 ft ² )	NC										
16: 0VAL (168 / h)         Ps         .03         .04         .05         .06         .09         .00         .10         .12         .14         .16           NC         -20         21         25         28         31         33         35         38         40         42         33         35         38         40         42         33         35         38         40         42         33         35         38         40         42         33         35         38         40         42         33         35         36         36         40         42         33         35         36         50         60         08         100         12         14         40         42         37         40         42         37         40         42         37         40         42         37         40         42         42         30         36         36         36         40         42         30         36         36         36         40         42         30         36         36         40         42         30         36         36         40         42         30         36         36         36													
(682 ft ² )         NC         <20         21         25         28         31         33         35         38         40         42           Trow         7         10         20         6         11         23         9         13         20         10         16         31         11         17         34         12         13         80         12         39         33         35         38         40         42         33         35         38         40         42         38         40         42         35         13         20         37         40         42         42         42         42         42         42         42         42         42         42         42         42         42         42         42         42         42         42         42         42         42         42         42         42         42         42         42         42         42         42         42         42         42         42         42         42         42         42         42         43         44         44         44         44         44         44         44         44         44			CFM										
Throw         T         10         20         8         11         23         9         13         26         10         14         29         10         16         31         11         17         34         12         19         35         13         20         37         14         21         38         15         23         33           5" DIA (136°)         CFM         100         121         142         163         184         206         227         248         269         290         290           (136°)         NC         <200         211         28         06         06         06         070         12         14         21         13         15         11         17         33         12         18         21         13         20         14         21         14         21         18         14         21         10         20         230         260         12         10         11         17         31         11         17         31         11         17         31         11         17         31         11         17         31         11         17         31         11		12" OVAL	Ps	.03	.04	.05	.06	.08	.09	.10	.12	.14	.16
CFM         100         121         1142         163         114         206         227         248         269         220           6'DA         PB         0.02         0.33         0.6         0.6         0.8         1.0         1.2         1.4         1.7         1.99           6'DA         PB         0.2         0.33         0.6         0.6         0.8         1.0         1.2         1.4         1.7         1.99           6'DA         PB         0.3         0.4         0.6         0.8         1.2         2.3         9         1.3         2.6         2.70         2.20         2.30         3.10         1.1         1.7         3.12         1.6         3.1         3.6         1.4         2.8         1.0         1.1         1.3         3.1         1.6         3.6         1.0         1.1         1.3         1.5         1.6         1.6         1.6         1.1         1.1         1.1         1.1         1.1         1.1         1.1         1.1         1.1         1.1         1.1         1.1         1.1         1.1         1.1         1.1         1.1         1.1         1.1         1.1         1.1         1.1         1.1<		(.682 ft ² )	NC	<20	21	25	28	31	33	35	38	40	42
6' DIA (136 ft ² )         Ps         .02         .03         .05         .06         .08         .10         .12         .14         .17         .19           (136 ft ² )         NC         <20         .20         .21         .25         .29         .20         .25         .27         .20         .20         .20         .25         .27         .20         .30           6' DIA (196 ft ² )         CFM         .130         .15         .11         .13         .15         .13         .13         .26         .9         14         .28         .01         .11         .13         .11         .17         .33         .12         .18         .43         .16         .13         .11         .13         .11         .13         .11         .13         .11         .13         .11         .13         .11         .13         .11         .13         .11         .13         .11         .13         .11         .13         .11         .13         .11         .13         .11         .11         .11         .11         .11         .11         .11         .11         .11         .11         .11         .11         .11         .11         .11         .11         <			Throw	7 10 20	8 11 23	9 13 26	10 14 29	10 16 31	11 17 34	12 19 35	13 20 37	14 21 38	15 23 39
6' DIA (136 ft ² )         Ps         .02         .03         .05         .06         .08         .10         .12         .14         .17         .19           (136 ft ² )         NC         <20													
(138 h ² )         NC         <20			CFM	100	121	142	163	184	206	227	248	269	290
(136 h ² )         NC         <20         <21         25         29         35         37         40         42           Throw         4         6         13         5         8         15         6         9         18         2         35         37         40         42           G ⁶ DA (196 h ² )         Ps         .03         150         170         190         210         8         13         26         9         14         28         11         17         33         12         18         13         15         .18           6° DA (196 h ² )         Ps         .03         .04         .05         .07         .08         .10         .11         .13         .15         .18         13         19         33         12         18         13         19         33         12         13         14         20         11         17         33         12         18         13         19         33         12         13         13         11         13         11         13         11         17         33         12         13         13         13         13         13         13         13		5" DIA	Ps	.02	.03	.05	.06	.08	.10	.12	.14	.17	.19
Image: Normal and the second		(.136 ft ² )	NC	<20	<20	21	25	29	32	35	37	40	42
6* DA (.196 ft*)         CFM         130         150         170         190         210         220         220         270         220         310           6* DA (.196 ft*)         Ps         .0.3         .0.4         .05         .07         .0.6         .10         .11         .13         .15         .18           7.0 (196 ft*)         NC         <20         .21         1.2         21         2.4         27         30         33         36         .38         .40         42           7.0 (34)         Trow         5         8 16         6         9         19         7         11         21         8         13         261         283         306         328         350           8* DIA         Ps         .03         .04         .05         .07         .08         .10         .12         .14         .16         .18         333         366         38         40         42           10* OVAL         Ps         .03         .04         .05         .06         .07         .09         .10         .12         .14         .16         .18           (39 ft*)         NC         <20         .22         .26		` ´		4 6 13	5 8 15	6 9 18	7 10 20	8 12 23	9 13 26	9 14 28	10 16 31	11 17 33	12 18 34
6° DIA (196 ft ² )         Ps         .03         .04         .05         .07         .08         .10         .11         .13         .15         .18           MC         <20         21         24         27         30         33         36         38         40         42           Throw         5         8         16         6         9         17         11         21         24         9         13         26         10         18         31         11         17         33         12         18         31         19         35         14         19         35         19         35         14         19         35         11         13         36         38         40         42           10°         VAL         05         .07         .08         .10         .12         14         21         18         31         36         38         40         42           10°         VAL         .05         .06         .07         .09         .10         .12         .14         .16         .18           (39 ft)         NC         .20         .21         .21         .28         31         <													
NC         S20         21         24         27         30         33         96         38         40         42           Throw         5         8         16         6         9         19         7         11         21         8         12         24         9         13         26         10         16         31         11         17         33         12         18         34         13         19         35           8' DIA (349 ft ² )         Ps         .03         .04         .05         .07         .08         .10         .12         .14         .16         .18           (39 ft ² )         CFM         170         13         21         24         9         14         27         10         12         1.4         .16         .18           (39 ft ² )         CFM         170         13         21         21         27         262         287         310         33         35         36         38         40         42         36         33         36         38         40         42         42         48         41         31         19         35         14         21 <th< td=""><th></th><td>6" DIA</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></th<>		6" DIA											
Throw         5         8         16         6         9         19         7         11         121         28         12         24         9         13         26         10         14         29         10         16         31         11         17         33         12         18         34         13         19         35           8' DIA (349 ft)         NC         -20         21         25         28         31         34         36         38         40         42           10' OVAL (395 ft)         0         11         12         14         27         10         15         31         11         12         14         21         16         17         12         28         16         17         19         21         27         12         28         31         33         36         38         40         42         16         12         13         16         12         11         15         13         13         13         13         13         13         15         16         22         37         16         24         13         13         13         15         17         16 <th< td=""><th></th><td>0</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></th<>		0											
Image: CFM         150         172         194         217         239         261         283         306         328         350           8° DIA (349 ff)         CFM         150         172         194         217         239         261         283         306         328         350           NC         <20         21         25         28         31         34         36         38         40         42           Throw         6         9         17         11         28         12         24         9         14         27         10         15         30         13         19         51         14         16         .18           0"OVAL (395 ff)         Ps         .04         .05         .06         .07         .09         .10         .12         .14         .16         .18           10" OVAL (395 ff)         NC         <20         22         25         28         31         33         36         38         40         42           10" OVAL (386 ff)         NC         <20         21         25         28         31         33         36         38         40         42		(.100 10)											
B* DA (349 H ² )         Ps         0.3         0.4         0.5         0.7         0.8         1.0         1.12         1.4         1.6         1.8           NC         <20         21         25         28         31         34         36         38         40         42           Throw 6         6         9         17         11         12         8         12         24         0         15         011         16         32         12         18         33         19         55         14         16         15         122         21         13         33         36         38         40         42           10° OVAL         Ps         .0.4         .0.5         .0.6         .0.7         .0.9         .10         .12         1.4         1.6         1.8         18           10° OVAL         Ps         .0.3         .0.4         .0.5         .0.6         .0.7         .0.8         .10         .11         .13         .16         .17         .18         .18         .18         .11         .13         .15         .17         .20         .23         .23         .23         .23         .23         .23													
Throw         6         9         19         7         11         12         24         9         14         27         10         16         21         287         310         333         357         380           10° OVAL (.395 ft²)         Ps         .04         .05         .06         .07         .09         .10         .12         .14         .16         .18           10° OVAL (.395 ft²)         Ps         .04         .05         .06         .07         .09         .10         .12         .14         .16         .18           12° OVAL (.682 ft²)         Ps         .03         .04         .05         .07         .08         .10         .11         .13         .15         .17         .263         .38         .40         .42         .39           12° OVAL (.682 ft²)         Ps         .03         .04         .05         .07         .08         .10         .11         .13         .15         .17         .20           12° OVAL         Ps         .03         .04         .05         .07         .09         .11         .13         .15         .17         .20           12° OVAL         Ps         .03         .04 <th></th> <td>8" DIA</td> <td></td>		8" DIA											
Throw         6         9         19         7         11         12         24         9         14         27         10         16         21         287         310         333         357         380           10° OVAL (.395 ft²)         Ps         .04         .05         .06         .07         .09         .10         .12         .14         .16         .18           10° OVAL (.395 ft²)         Ps         .04         .05         .06         .07         .09         .10         .12         .14         .16         .18           12° OVAL (.682 ft²)         Ps         .03         .04         .05         .07         .08         .10         .11         .13         .15         .17         .263         .38         .40         .42         .39           12° OVAL (.682 ft²)         Ps         .03         .04         .05         .07         .08         .10         .11         .13         .15         .17         .20           12° OVAL         Ps         .03         .04         .05         .07         .09         .11         .13         .15         .17         .20           12° OVAL         Ps         .03         .04 <th>0</th> <td></td>	0												
CFM         170         193         217         240         263         287         310         333         357         380           10° OVAL (.395 ft ² )         Ps         .0.4         .05         .06         .07         .09         .10         .12         .14         .16         .18           (.395 ft ² )         NC         <20	с С	(.349 IL)											
10° OVAL (.395 ft ² )         Ps         .04         .05         .06         .07         .09         .10         .12         .14         .16         .18           (.395 ft ² )         NC         <20													
(395 ft ² )         NC         <20         22         25         28         31         33         36         38         40         42           Throw         7         11         21         24         9         14         27         10         15         30         11         13         19         35         14         21         36         15         23         7         16         24         39           12" OVAL (.682 ft ² )         Ps         .03         .04         .05         .07         .08         .10         .11         .13         .15         .17           NC         <20		101 01 (11											
Throw         7         11         21         8         12         24         9         14         27         10         15         30         11         17         32         12         18         34         13         19         35         14         21         36         15         22         37         16         24         39           12" OVAL (.682 th ² )         CFM         180         206         231         257         282         308         333         359         384         410           (.682 th ² )         NC         -200         21         25         28         31         33         36         38         40         42           (.682 th ² )         NC         -200         21         25         28         31         33         35         14         21         36         15         23         38         16         24         39         17         26         40           10         12         39         13         26         10         14         21         36         15         23         38         16         24         39         17         26         40		0											
CFM         180         206         231         257         282         308         333         359         384         410           12" OVAL (.682 ft ² )         Ps         .03         .04         .05         .07         .08         .10         .11         .13         .15         .17           K.6         <20		(.395 ft⁻)											
12" OVAL (682 ft ² )       Ps      03      04      05      07      08      10      11      13      15      17         NC       <20       21       25       28       31       33       36       38       40       42         Throw       8       11       23       9       13       26       10       15       21       18       33       36       38       40       42         Throw       8       11       23       9       13       26       10       15       21       18       33       13       19       35       14       21       36       15       23       8       16       24       39       17       200         5" DIA       CFM       130       153       177       200       223       247       270       293       317       340         6" DIA       (.164 ² )       10       16       9       18       7       10       21       8       12       23       9       13       26       10       14       29       10       16       30       11       17       31       12       18       33<												<u> </u>	
(.682 ft ² )         NC         <20         21         25         28         31         33         36         38         40         42           Throw         8         11         23         9         13         26         10         15         29         11         16         32         12         18         33         36         38         40         42           5'' DIA (.136 ft ² )         CFM         130         153         177         200         223         247         270         293         317         340           6'' DIA (.136 ft ² )         CFM         130         153         177         200         223         247         270         293         317         340           6'' DIA (.136 ft ² )         NC         <20         <20         23         26         30         32         35         38         40         42           6'' DIA (.196 ft ² )         FM         140         166         191         217         242         268         293         319         344         370           7         NC         <20         <20         23         27         30         33         36         38													
Throw         8         11         23         9         13         26         10         15         29         11         16         32         12         18         33         13         19         35         14         21         36         15         23         38         16         24         39         17         26         40           S" DIA (.136 ft ² )         FS         DIA (.136 ft ² )         FS         0.04         .05         .07         .09         .11         .13         .15         .17         .20           Ps         .03         .04         .05         .07         .09         .11         .13         .15         .17         .20           MC         <20													
S" DIA (.136 ft ² )         CFM         130         153         177         200         223         247         270         293         317         340           (.136 ft ² )         NC         <20		(.682 ft ² )	NC										
5" DIA (.136 ft ² )         Ps         .03         .04         .05         .07         .09         .11         .13         .15         .17         .20           NC         <20			Throw	8 11 23	9 13 26	10 15 29	11 16 32	12 18 33	13 19 35	14 21 36	15 23 38	16 24 39	17 26 40
5" DIA (.136 ft ² )         Ps         .03         .04         .05         .07         .09         .11         .13         .15         .17         .20           NC         <20         <20         23         26         30         32         35         38         40         42           Throw         5         8         15         6         9         18         7         10         21         8         12         23         9         13         26         10         14         29         10         16         30         11         17         31         12         18         31         20         34           6" DIA (.196 ft ² )         F8         .03         .04         .05         .07         .08         .10         .12         .14         .17         .19         31         32         34         31         20         34         42         .10         .16         30         11         17         31         12         19         33         13         20         34         14         21         35           8" DIA (.349 ft ² )         16         18         7         11         22         9 <t< th=""><th>_</th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th></t<>	_												
NC         <													
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$		5" DIA	Ps	.03	.04		.07						
CFM         140         166         191         217         242         268         293         319         344         370           6" DIA (.196 ft ² )         Ps         .03         .04         .05         .07         .08         .10         .12         .14         .17         .19           NC         <20         <20         23         27         30         33         36         38         40         42           Throw         5         8         16         6         10         19         7         11         22         8         13         25         9         14         28         10         16         30         11         17         31         12         19         33         13         20         34         14         21         35           8" DIA (.349 ft ² )         160         187         213         240         267         293         320         347         373         400           10" OVAL (.349 ft ² )         Ps         .03         .04         .05         .06         .08         .09         .11         .13         .15         .17           10" OVAL (.395 ft ² )         Ps         <		(.136 ft ² )	NC	<20	<20	23	26		32	35	38	40	42
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$			Throw	5 8 15	6 9 18	7 10 21	8 12 23	9 13 26	10 14 29	10 16 30	11 17 31	12 18 33	13 20 34
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$			CFM	140	166	191	217	242	268	293	319	344	370
Image: Normal regions         5         8         16         6         10         19         7         11         22         8         13         25         9         14         28         10         16         30         11         17         31         12         19         33         13         20         34         14         21         35           8" DIA (.349 ft ² )         Ps         .03         .04         .05         .06         .08         .09         .11         .13         .15         .17           NC         <20         <23         27         30         33         35         38         40         42           10" OVAL (.395 ft ² )         CFM         180         209         238         267         296         324         353         382         411         440           10" OVAL (.395 ft ² )         Ps         .03         .04         .05         .07         .08         .10         .12         .14         .14         21         35           10" OVAL (.395 ft ² )         Ps         .0.3         .0.4         .05         .0.7         .08         .10         .12         .14         .14         21         <		6" DIA	Ps	.03	.04	.05	.07	.08	.10	.12	.14	.17	.19
CFM         160         187         213         240         267         293         320         347         373         400           8" DIA (.349 ft ² )         Ps         .03         .04         .05         .06         .08         .09         .11         .13         .15         .17           NC         <20		(.196 ft ² )	NC	<20	<20	23	27	30	33	36	38	40	42
CFM         160         187         213         240         267         293         320         347         373         400           8" DIA (.349 ft ² )         Ps         .03         .04         .05         .06         .08         .09         .11         .13         .15         .17           NC         <20			Throw	5 8 16	6 10 19	7 11 22	8 13 25	9 14 28	10 16 30	11 17 31	12 19 33	13 20 34	14 21 35
8" DIA (.349 ft ² )         Ps         .03         .04         .05         .06         .08         .09         .11         .13         .15         .17           NC         <20												<u> </u>	
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$		8" DIA											
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	l Ö												
CFM         180         209         238         267         296         324         353         382         411         440           10" OVAL (.395 ft ² )         Ps         .03         .04         .05         .07         .08         .10         .12         .14         .16         .18           NC         <20		(,										<u> </u>	
10" OVAL (.395 ft ² )       Ps       .03       .04       .05       .07       .08       .10       .12       .14       .16       .18         NC       <20													
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$		10" ()///											
Throw         7         10         21         8         12         24         9         14         28         10         15         30         11         17         32         13         19         33         14         21         35         15         22         36         16         24         37         17         26         39           12" OVAL         Ps         .03         .04         .05         .06         .08         .10         .11         .13         .16         .18           12" OVAL         Ps         .03         .04         .05         .06         .08         .10         .11         .13         .16         .18													
CFM         190         222         254         287         319         351         383         416         448         480           12" OVAL (.682 ft ² )         Ps         .03         .04         .05         .06         .08         .10         .11         .13         .16         .18           NC         <20		(.59511)											
12" OVAL         Ps         .03         .04         .05         .06         .08         .10         .11         .13         .16         .18           (.682 ft ² )         NC         <20						9 1 14 1 28	10115130	11   17   32	13 19 33	14 21 35	15 22 36	10 24 37	17 26 39
(.682 ft ² ) NC <20 <20 23 27 30 33 35 38 40 42								240	254	202	440	4.40	400
		401 01 01	CFM	190	222	254	287						
Throw 7   11   22   9   13   26   10   15   29   11   17   31   12   19   33   14   20   34   15   22   36   16   24   37   17   26   39   19   28   40			CFM Ps	190 .03	222 .04	254 .05	287 .06	.08	.10	.11	.13	.16	.18
			CFM Ps NC	190 .03 <20	222 .04 <20	254 .05 .23	287 .06 .27	.08 30	.10 33	.11 35	.13 38	<u>.</u> 16 40	.18 42

## SCD-75 • 3/4" SLOT WIDTH • 4 SLOT • ONE WAY DISCHARGE

		CFM	150	182	214	247	279	311	343	376	408	440
	5" DIA	Ps	.02	.04	.05	.07	.08	.11	.13	.15	.18	.21
	(.136 ft ² )	NC	<20	<20	21	25	28	32	35	37	40	42
	(,	Throw	5 7 14	6 9 17	7 10 20	8 12 23	9 13 25	10 15 26	11 16 28	12 18 29	13 19 30	14 21 31
		CFM	170	203	237	270	303	337	370	403	437	470
	6" DIA	Ps	.03	.04	.05	.06	.08	.10	.12	.14	.17	.19
	(.196 ft ² )	NC	<20	<20	22	25	29	32	35	37	40	42
	, ,	Throw	5 8 16	6 10 19	7 11 22	9 13 25	10 14 26	11 16 28	12 18 29	13 19 30	14 21 31	15 22 33
		CFM	200	233	267	300	333	367	400	433	467	500
	8" DIA	Ps	.03	.04	.05	.06	.07	.09	.11	.13	.15	.17
48	(.349 ft ² )	NC	<20	<20	23	27	30	32	35	37	40	42
		Throw	6 9 19	7 11 22	8 13 24	9 14 26	11 16 27	12 17 29	13 19 30	14 21 31	15 22 32	16 24 34
		CFM	220	259	298	337	376	414	453	492	531	570
	10" OVAL	Ps	.03	.04	.05	.07	.08	.10	.12	.14	.16	.19
	(.395 ft ² )	NC	<20	<20	23	26	30	33	35	38	40	42
		Throw	7 10 21	8 12 24	9 14 26	11 16 28	12 18 29	13 20 31	14 22 32	16 23 33	17 24 35	18 25 36
		CFM	260	299	338	377	416	454	493	532	571	610
	12" OVAL	Ps	.03	.04	.06	.07	.09	.10	.12	.14	.16	.19
	$(.682 \text{ ft}^2)$	NC	<20	21	24	27	30	33	35	38	40	42
		Throw	8 12 24	9 14 26	11 16 28	12 18 29	13 20 31	14 22 32	16 23 33	17 24 35	18 25 36	19 26 37
		CFM	180	218	256	293	331	369	407	444	482	520
	5" DIA	Ps	.03	.04	.06	.08	.10	.12	.15	.17	.20	.24
	(.136 ft ² )	NC	<20	<20	21	25	28	32	35	37	40	42
		Throw	4 6 12	5 7 15	6 9 17	7 10 18	7 11 19	8 12 20	9 14 21	10 15 22	11 16 23	12 17 24
		CFM	210	249	288	327	366	404	443	482	521	560
	6" DIA	Ps	.03	.04	.06	.07	.09	.11	.13	.16	.18	.21
	(.196 ft ² )	NC	<20	<20	22	26	29	32	35	38	40	42
		Throw	5 7 14	6 8 17	6 10 18	7 11 19	8 12 20	9 14 21	10 15 22	11 16 23	12 17 24	13 18 25
-		CFM	230	271	312	353	394	436	477	518	559	600
60"	8" DIA	Ps	.02	.03	.04	.06	.07	.09	.10	.12	.14	.17
9	(.349 ft ² )	NC	<20	<20	23	26	30	33	35	38	40	42
		Throw	5 8 15	6 9 17	7 10 19	8 12 20	9 13 21	10 15 22	11 16 23	12 17 24	12 18 25	13 18 26
	401 01 (41	CFM	250	296	341	387	432	478	523	569	614	660
	10" OVAL	Ps	.02 <20	.03	.04	.06	.07	.09	.10	.12	.14	.16
	(.395 ft ² )	NC		<20	22	26	29	32	35	37	40	42
		Throw	6 8 17	7 10 18	8 11 20	9 13 21	10 14 22	11 16 23	12 17 24	13 18 25	14 19 26	15 19 27
	12" OVAL	CFM	.03	349	398	.07	496	544	593	642 .15	691 .17	.20
		Ps		.04	.06		.09	.11	.13			
	( 000 #2)	NO	<00		04	07	20	22				
	(.682 ft ² )	NC Throw	<20 7 10 18	20 8 12 20	24 9 13 21	27 10 15 22	30 11 17 24	33 12 18 25	36 13 18 26	38 14 19 27	40 15 20 28	42 17 20 29

### **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