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

24"	5" DIA (.136 ft^2)	CFM	35			43			51			58			66			74			82			89			97			105		
		Ps	.03			.04			.06			.08			.10			.13			.16			.19			.22			.26		
		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
	6" OVAL (.181 ft^2)	CFM	40			48			56			63			71			79			87			94			102			110		
		Ps	.03			.05			.06			.08			.11			.13			.16			.19			.22			.25		
		NC	<20			<20			21			25			29			32			34			37			39			42		
		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
	8" OVAL (.289 ft^2)	CFM	55			64			73			82			91			99			108			117			126			135		
		Ps	.05			.06			.08			.10			.13			.15			.18			.22			.25			.29		
		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
	10" OVAL (.395 ft^2)	CFM	65			74			84			93			103			112			122			131			141			150		
		Ps	.06			.08			.10			.13			.15			.18			.21			.25			.29			.33		
		NC	<20			21			25			28			31			34			36			38			40			42		
		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
	12" OVAL (.682 ft^2)	CFM	65			76			86			97			107			118			128			139			149			160		
		Ps	.05			.07			.09			.12			.14			.17			.21			.24			.28			.32		
		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
30"	5" DIA (.136 ft^2)	CFM	40			49			58			67			76			84			93			102			111			120		
		Ps	.03			.04			.06			.08			.10			.13			.15			.18			.22			.25		
		NC	<20			<20			20			24			28			31			34			37			39			42		
		Throw	4	6	12	5	7	14	6	8	16	7	10	17	7	11	18	8	12	19	9	14	20	10	15	21	11	16	22	12	16	23
	6" OVAL (.181 ft^2)	CFM	50			59			68			77			86			94			103			112			121			130		
		Ps	.04			.05			.07			.09			.11			.14			.17			.20			.23			.26		
		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 (.289 ft^2)	CFM	60			71			81			92			102			113			123			134			144			155		
		Ps	.04			.06			.08			.10			.12			.15			.18			.21			.24			.28		
		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
	10" OVAL (.395 ft^2)	CFM	70			82			93			105			117			128			140			152			163			175		
		Ps	.05			.07			.09			.11			.14			.17			.20			.23			.27			.31		
		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
	12" OVAL (.682 ft^2)	CFM	80			92			104			117			129			141			153			166			178			190		
		Ps	.06			.07			.10			.12			.15			.17			.21			.24			.28			.32		
		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
36"	5" DIA (.136 ft^2)	CFM	50			60			70			80			90			100			110			120			130			140		
		Ps	.03			.05			.07			.09			.11			.14			.17			.20			.23			.27		
		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
	6" OVAL (.181 ft^2)	CFM	60			70			80			90			100			110			120			130			140			150		
		Ps	.04			.06			.08			.10			.12			.15			.17			.20			.24			.27		
		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
	8" OVAL (.289 ft^2)	CFM	70			82			94			107			119			131			143			156			168			180		
		Ps	.04			.06			.08			.10			.13			.15			.18			.21			.25			.29		
		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
	10" OVAL (.395 ft^2)	CFM	80			93			107			120			133			147			160			173			187			200		
		Ps	.05			.07			.09			.11			.13			.16			.19			.22			.26			.30		
		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	15	18	26	15	19	27	16	20	28
	12" OVAL (.682 ft^2)	CFM	90			104			119			133			148			162			177			191			206			220		
		Ps	.05			.07			.09			.12			.14			.17			.20			.24			.27			.31		
		NC	<20			20			24			28			31			33			36			38			40			42		
		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

Throw values are listed as three numbers per column.

Length	Inlet											
48"	5" DIA (.136 ft^2)	CFM	50	63	77	90	103	117	130	143	157	170
		Ps	.02	.04	.05	.07	.10	.12	.15	.19	.22	.26
		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
	6" OVAL (.181 ft^2)	CFM	70	83	97	110	123	137	150	163	177	190
		Ps	.04	.05	.07	.09	.12	.15	.18	.21	.24	.28
		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
	8" OVAL (.289 ft^2)	CFM	80	96	111	127	142	158	173	189	204	220
		Ps	.04	.05	.07	.09	.12	.14	.17	.20	.24	.28
		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	14 17 24
	10" OVAL (.395 ft^2)	CFM	90	109	128	147	166	184	203	222	241	260
		Ps	.04	.05	.07	.10	.13	.16	.19	.23	.27	.31
		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	15 18 26
	12" OVAL (.682 ft^2)	CFM	100	120	140	160	180	200	220	240	260	280
		Ps	.04	.06	.08	.10	.13	.16	.19	.23	.27	.31
		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

Length	Inlet											
60"	5" DIA (.136 ft^2)	CFM	60	74	89	103	118	132	147	161	176	190
		Ps	.02	.03	.05	.07	.09	.11	.13	.16	.19	.22
		NC	<20	<20	<20	24	28	31	34	37	39	42
		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
	6" OVAL (.181 ft^2)	CFM	70	85	100	115	130	145	160	175	190	205
		Ps	.03	.04	.05	.07	.09	.11	.13	.16	.19	.22
		NC	<20	<20	21	25	28	32	35	37	40	42
		Throw	4 5 9	4 7 10	5 8 11	6 9 12	7 9 13	8 10 14	8 10 14	9 11 15	9 11 16	9 11 16
	8" OVAL (.289 ft^2)	CFM	90	109	128	147	166	184	203	222	241	260
		Ps	.03	.05	.07	.09	.11	.14	.17	.20	.24	.28
		NC	<20	<20	21	25	29	32	35	37	40	42
		Throw	5 7 11	6 8 12	7 9 13	8 10 14	8 10 15	9 11 15	9 11 16	10 12 17	10 12 18	11 13 18
	10" OVAL (.395 ft^2)	CFM	100	122	144	167	189	211	233	256	278	300
		Ps	.03	.05	.07	.09	.12	.15	.18	.21	.25	.29
		NC	<20	<20	21	25	29	32	35	38	40	42
		Throw	5 8 11	6 9 13	8 10 14	8 10 15	9 11 16	9 12 16	10 12 17	10 13 18	11 13 19	11 14 20
	12" OVAL (.682 ft^2)	CFM	120	143	167	190	213	237	260	283	307	330
		Ps	.04	.05	.07	.10	.12	.15	.18	.21	.25	.29
		NC	<20	<20	23	27	30	33	36	38	41	43
		Throw	6 9 12	7 10 14	8 10 15	9 11 16	10 12 17	10 12 17	11 13 18	11 13 19	11 14 20	12 15 21

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 • 2 SLOT • ONE WAY DISCHARGE

24"

24"	5" DIA (.136 ft²)	CFM	40			52			63			75			87			98			110			122			133			145					
		Ps	.02			.03			.04			.05			.07			.09			.12			.14			.17			.20					
		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			
	6" OVAL (.181 ft²)	CFM	50			62			73			85			97			108			120			132			143			155					
		Ps	.02			.03			.04			.06			.08			.09			.12			.14			.17			.19					
		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			
	8" OVAL (.289 ft²)	CFM	60			72			83			95			107			118			130			142			153			165					
		Ps	.02			.04			.05			.06			.08			.10			.12			.14			.16			.19					
		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			
	10" OVAL (.395 ft²)	CFM	70			81			92			103			114			126			137			148			159			170					
		Ps	.02			.03			.04			.05			.07			.08			.09			.11			.13			.15					
		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			
	12" OVAL (.682 ft²)	CFM	80			92			103			115			127			138			150			162			173			185					
		Ps	.03			.03			.04			.05			.06			.08			.09			.10			.12			.14					
		NC	<20			21			25			28			31			34			36			38			40			42					
		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			

30"

30"	5" DIA (.136 ft²)	CFM	60			72			84			97			109			121			133			146			158			170					
		Ps	.02			.04			.05			.06			.08			.10			.12			.15			.17			.20					
		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			
	6" OVAL (.181 ft²)	CFM	70			82			94			107			119			131			143			156			168			180					
		Ps	.03			.04			.05			.06			.08			.10			.12			.14			.16			.18					
		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			
	8" OVAL (.289 ft²)	CFM	80			93			107			120			133			147			160			173			187			200					
		Ps	.03			.04			.05			.07			.08			.10			.12			.14			.16			.19					
		NC	<20			20			24			27			30			33			36			38			40			42					
		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			
	10" OVAL (.395 ft²)	CFM	90			103			117			130			143			157			170			183			197			210					
		Ps	.03			.04			.05			.06			.07			.09			.11			.12			.14			.16					
		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			
	12" OVAL (.682 ft²)	CFM	100			114			129			143			158			172			187			201			216			230					
		Ps	.03			.04			.05			.06			.07			.09			.10			.12			.14			.15					
		NC	<20			22			26			29			32			34			37			39			41			43					
		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			

36"

36"	5" DIA (.136 ft²)	CFM	70			84			98			112			126			139			153			167			181			195					
		Ps	.03			.04			.05			.06			.08			.10			.12			.14			.17			.20					
		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			
	6" OVAL (.181 ft²)	CFM	80			94			109			123			138			152			167			181			196			210					
		Ps	.03			.04			.05			.06			.08			.10			.12			.14			.16			.18					
		NC	<20			<20			23			27			30			33			36			38			40			42					
		Throw	5	8	15	6	9	18	7	11	20	8	12	22	9	13	23	10	15	24	11	16	25	12	18	26	13	19	27	14	20	28			
	8" OVAL (.289 ft²)	CFM	90			106			121			137			152			168			183			199			214			230					
		Ps	.03			.04			.05			.06			.08			.10			.11			.14			.16			.18					
		NC	<20			<20			23			27			30			33			35			38			40			42					
		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			
	10" OVAL (.395 ft²)	CFM	100			117			133			150			167			183			200			217			233			250					
		Ps	.03			.04			.05			.06			.08			.09			.11			.13			.15			.17					
		NC	<20			20			24			27			30			33			36			38			40			42					
		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			
	12" OVAL (.682 ft²)	CFM	110			128			146			163			181			199			217			234			252			270					
		Ps	.03			.04			.05			.06			.07			.09			.10			.12			.14			.16					
		NC	<20			21			24			28			31			34			36			39			41			43					
		Throw	7	11	21	8	12	22	9	14	24	11	16	25	12	18	26	13	19	28	14	20	29	15	21	30	16	22	31	17	23	32			

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

48"	5" DIA (.136 ft^2)	CFM	80			98			116			133			151			169			187			204			222			240		
		Ps	.02			.03			.04			.06			.07			.09			.11			.13			.16			.18		
		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	13	18	25
	6" OVAL (.181 ft^2)	CFM	90			109			128			147			166			184			203			222			241			260		
		Ps	.02			.03			.04			.05			.07			.09			.10			.12			.15			.17		
		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	14	18	26
	8" OVAL (.289 ft^2)	CFM	100			122			144			167			189			211			233			256			278			300		
		Ps	.02			.03			.04			.06			.07			.09			.11			.13			.16			.18		
		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	16	20	28
	10" OVAL (.395 ft^2)	CFM	120			142			164			187			209			231			253			276			298			320		
		Ps	.02			.04			.05			.06			.08			.09			.11			.13			.15			.18		
		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
	12" OVAL (.682 ft^2)	CFM	140			162			184			207			229			251			273			296			318			340		
		Ps	.03			.04			.05			.06			.07			.09			.11			.12			.14			.16		
		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

60"	5" DIA (.136 ft^2)	CFM	100			121			142			163			184			206			227			248			269			290		
		Ps	.02			.03			.05			.06			.08			.10			.12			.15			.17			.20		
		NC	<20			<20			20			25			28			31			34			37			39			42		
		Throw	4	6	11	5	7	12	5	8	13	6	9	14	7	10	15	8	11	16	8	12	17	9	13	18	10	13	19	11	14	19
	6" OVAL (.181 ft^2)	CFM	120			142			164			187			209			231			253			276			298			320		
		Ps	.02			.03			.05			.06			.08			.09			.11			.13			.15			.18		
		NC	<20			<20			23			27			30			33			36			38			40			42		
		Throw	4	7	12	5	8	13	6	9	15	7	10	15	8	12	16	9	12	17	9	13	18	10	13	19	11	14	20	12	14	20
	8" OVAL (.289 ft^2)	CFM	140			163			187			210			233			257			280			303			327			350		
		Ps	.03			.04			.05			.06			.08			.09			.11			.13			.15			.17		
		NC	<20			<20			23			27			30			32			35			37			40			42		
		Throw	5	8	13	6	9	14	7	10	15	8	12	16	9	12	17	10	13	18	10	13	19	11	14	20	12	14	20	12	15	21
	10" OVAL (.395 ft^2)	CFM	160			186			211			237			262			288			313			339			364			390		
		Ps	.03			.04			.05			.07			.08			.10			.11			.13			.15			.18		
		NC	<20			20			24			27			31			33			36			38			40			42		
		Throw	6	9	14	7	10	15	8	12	16	9	12	17	10	13	18	11	14	19	12	14	20	12	15	21	12	15	22	13	16	22
	12" OVAL (.682 ft^2)	CFM	170			198			226			253			281			309			337			364			392			420		
		Ps	.03			.04			.05			.07			.08			.10			.12			.14			.16			.18		
		NC	<20			20			24			28			31			34			36			38			41			43		
		Throw	6	10	15	7	11	16	8	12	17	9	13	18	10	13	19	11	14	20	12	15	21	12	15	22	13	16	22	13	16	23

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

Plenum	Inlet											
24"	5" DIA (.136 ft^2)	CFM	60	76	91	107	122	138	153	169	184	200
		Ps	.02	.03	.04	.06	.08	.10	.12	.14	.17	.20
		NC	<20	<20	<20	24	28	31	34	37	40	42
		Throw	4 / 5 / 11	5 / 7 / 14	5 / 8 / 16	6 / 10 / 19	7 / 11 / 22	8 / 12 / 25	9 / 14 / 27	10 / 15 / 29	11 / 16 / 31	12 / 18 / 32
	6" DIA (.196 ft^2)	CFM	70	86	101	117	132	148	163	179	194	210
		Ps	.02	.03	.04	.06	.07	.09	.11	.13	.16	.18
		NC	<20	<20	20	24	28	31	34	37	39	42
		Throw	4 / 6 / 13	5 / 8 / 15	6 / 9 / 18	7 / 10 / 21	8 / 12 / 24	9 / 13 / 26	10 / 15 / 29	11 / 16 / 30	12 / 17 / 32	13 / 19 / 33
	8" DIA (.349 ft^2)	CFM	80	98	116	133	151	169	187	204	222	240
		Ps	.02	.03	.04	.06	.07	.09	.11	.13	.16	.18
		NC	<20	<20	21	25	29	32	35	38	40	43
		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 (.395 ft^2)	CFM	90	108	126	143	161	179	197	214	232	250
		Ps	.02	.03	.04	.05	.07	.08	.10	.12	.14	.16
		NC	<20	<20	22	26	29	32	35	38	40	42
		Throw	5 / 8 / 16	6 / 10 / 19	7 / 11 / 22	9 / 13 / 26	10 / 14 / 29	11 / 16 / 30	12 / 18 / 32	13 / 19 / 33	14 / 21 / 34	15 / 22 / 36
	12" OVAL (.682 ft^2)	CFM	100	119	138	157	176	194	213	232	251	270
		Ps	.02	.03	.04	.05	.06	.08	.09	.11	.13	.15
		NC	<20	<20	22	26	30	33	35	38	40	42
		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

Plenum	Inlet											
30"	5" DIA (.136 ft^2)	CFM	80	97	113	130	147	163	180	197	213	230
		Ps	.02	.04	.05	.06	.08	.10	.12	.15	.17	.20
		NC	<20	<20	21	25	28	32	34	37	39	42
		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
	6" DIA (.196 ft^2)	CFM	90	108	126	143	161	179	197	214	232	250
		Ps	.02	.03	.04	.06	.07	.09	.11	.13	.15	.18
		NC	<20	<20	22	26	29	32	35	38	40	42
		Throw	5 / 8 / 15	6 / 9 / 18	7 / 11 / 21	8 / 12 / 24	9 / 13 / 27	10 / 15 / 28	11 / 16 / 30	12 / 18 / 31	13 / 19 / 32	14 / 21 / 33
	8" DIA (.349 ft^2)	CFM	100	120	140	160	180	200	220	240	260	280
		Ps	.02	.03	.04	.06	.07	.09	.11	.13	.15	.18
		NC	<20	<20	22	26	29	32	35	38	40	42
		Throw	6 / 8 / 17	7 / 10 / 20	8 / 12 / 23	9 / 13 / 27	10 / 15 / 28	11 / 17 / 30	12 / 18 / 31	13 / 20 / 33	15 / 22 / 34	16 / 23 / 35
	10" OVAL (.395 ft^2)	CFM	110	131	152	173	194	216	237	258	279	300
		Ps	.02	.03	.04	.05	.07	.09	.10	.12	.14	.16
		NC	<20	<20	22	26	29	32	35	38	40	42
		Throw	6 / 9 / 18	7 / 11 / 22	8 / 13 / 25	10 / 15 / 28	11 / 16 / 30	12 / 18 / 31	13 / 20 / 33	14 / 22 / 34	16 / 23 / 35	17 / 25 / 37
	12" OVAL (.682 ft^2)	CFM	120	142	164	187	209	231	253	276	298	320
		Ps	.02	.03	.04	.05	.07	.08	.10	.12	.14	.16
		NC	<20	<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

Plenum	Inlet											
36"	5" DIA (.136 ft^2)	CFM	90	110	130	150	170	190	210	230	250	270
		Ps	.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)	CFM	100	121	142	163	184	206	227	248	269	290
		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)	CFM	110	133	157	180	203	227	250	273	297	320
		Ps	.02	.03	.04	.05	.07	.09	.11	.13	.15	.17
		NC	<20	<20	21	25	29	32	35	38	40	42
		Throw	6 / 9 / 17	7 / 10 / 21	8 / 12 / 24	9 / 14 / 26	11 / 16 / 28	12 / 18 / 30	13 / 19 / 31	14 / 21 / 32	15 / 23 / 34	17 / 25 / 35
	10" OVAL (.395 ft^2)	CFM	120	146	171	197	222	248	273	299	324	350
		Ps	.02	.03	.04	.05	.07	.09	.10	.12	.15	.17
		NC	<20	<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	13 / 19 / 31	14 / 21 / 32	15 / 23 / 34	17 / 25 / 35	18 / 26 / 37
	12" OVAL (.682 ft^2)	CFM	140	167	193	220	247	273	300	327	353	380
		Ps	.02	.03	.05	.06	.07	.09	.11	.13	.15	.17
		NC	<20	<20	23	26	30	33	36	38	40	42
		Throw	7 / 11 / 22	9 / 13 / 25	10 / 15 / 27	11 / 17 / 29	13 / 19 / 31	14 / 21 / 32	15 / 23 / 34	17 / 25 / 35	18 / 26 / 37	20 / 27 / 38

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

48"	5" DIA (.136 ft^2)	CFM	110			136			161			187			212			238			263			289			314			340		
		Ps	.02			.03			.05			.06			.08			.11			.13			.16			.18			.22		
		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
	6" DIA (.196 ft^2)	CFM	130			156			181			207			232			258			283			309			334			360		
		Ps	.02			.03			.04			.05			.06			.08			.10			.11			.13			.16		
		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
	8" DIA (.349 ft^2)	CFM	150			178			206			233			261			289			317			344			372			400		
		Ps	.02			.03			.04			.06			.07			.09			.10			.12			.14			.17		
		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
	10" OVAL (.395 ft^2)	CFM	170			200			230			260			290			320			350			380			410			440		
		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
	12" OVAL (.682 ft^2)	CFM	180			213			247			280			313			347			380			413			447			480		
		Ps	.03			.04			.05			.06			.08			.10			.11			.14			.16			.18		
		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

60"	5" DIA (.136 ft^2)	CFM	140			169			198			227			256			284			313			342			371			400		
		Ps	.03			.04			.06			.07			.09			.12			.14			.17			.20			.23		
		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
	6" DIA (.196 ft^2)	CFM	150			181			212			243			274			306			337			368			399			430		
		Ps	.02			.03			.04			.05			.06			.07			.09			.11			.13			.15		
		NC	<20			<20			21			25			29			32			35			38			40			42		
		Throw	4	7	13	5	8	15	6	9	16	7	11	18	8	12	19	9	14	20	10	15	21	11	15	22	12	16	23	13	17	23
	8" DIA (.349 ft^2)	CFM	160			198			236			273			311			349			387			424			462			500		
		Ps	.02			.03			.04			.05			.07			.09			.11			.13			.15			.18		
		NC	<20			<20			20			25			29			32			35			38			40			43		
		Throw	5	7	14	6	9	16	7	11	17	8	12	19	9	14	20	10	15	21	12	16	22	13	16	23	14	17	24	15	18	25
	10" OVAL (.395 ft^2)	CFM	180			220			260			300			340			380			420			460			500			540		
		Ps	.02			.03			.04			.06			.07			.09			.11			.13			.16			.18		
		NC	<20			<20			21			25			29			32			35			38			40			42		
		Throw	5	8	15	7	10	17	8	12	18	9	13	20	10	15	21	11	16	22	13	16	23	14	17	24	15	18	25	15	19	26
	12" OVAL (.682 ft^2)	CFM	200			242			284			327			369			411			453			496			538			580		
		Ps	.02			.03			.04			.06			.07			.09			.11			.13			.16			.18		
		NC	<20			<20			21			25			29			32			35			37			40			42		
		Throw	6	9	16	7	11	18	8	13	19	10	14	20	11	15	22	12	16	23	14	17	24	15	18	25	15	19	26	16	19	27

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

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

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

Pressure
- PS represents static pressure, inches of water

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

24"

	CFM	80			98			116			133			151			169			187			204			222			240		
5" DIA (.136 ft²)	Ps	.02			.03			.04			.06			.07			.09			.11			.13			.16			.18		
	NC	<20			<20			20			25			28			32			35			37			40			42		
	Throw	4	5	11	4	7	13	5	8	16	6	9	18	7	10	20	8	11	23	8	13	25	9	14	27	10	15	30	11	16	32
6" DIA (.196 ft²)	CFM	90			109			128			147			166			184			203			222			241			260		
	Ps	.02			.03			.04			.05			.07			.09			.10			.12			.15			.17		
	NC	<20			<20			21			26			29			32			35			38			40			42		
	Throw	4	6	12	5	7	15	6	9	17	7	10	20	7	11	22	8	12	25	9	14	27	10	15	30	11	16	32	12	17	34
8" DIA (.349 ft²)	CFM	110			130			150			170			190			210			230			250			270			290		
	Ps	.02			.03			.05			.06			.07			.09			.11			.13			.15			.17		
	NC	<20			<20			22			26			29			32			35			37			39			42		
	Throw	5	7	15	6	9	17	7	10	20	8	11	23	8	13	25	9	14	28	10	15	31	11	17	34	12	18	35	13	19	36
10" OVAL (.395 ft²)	CFM	130			151			172			193			214			236			257			278			299			320		
	Ps	.03			.04			.05			.06			.08			.10			.11			.13			.15			.18		
	NC	<20			20			23			27			30			33			35			38			40			42		
	Throw	6	9	17	7	10	20	8	12	23	9	13	26	10	14	29	11	16	32	11	17	34	12	19	35	13	20	37	14	21	38
12" OVAL (.682 ft²)	CFM	150			171			192			213			234			256			277			298			319			340		
	Ps	.03			.04			.05			.06			.08			.09			.10			.12			.14			.16		
	NC	<20			21			25			28			31			33			35			38			40			42		
	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

30"

	CFM	100			121			142			163			184			206			227			248			269			290		
5" DIA (.136 ft²)	Ps	.02			.03			.05			.06			.08			.10			.12			.14			.17			.19		
	NC	<20			<20			21			25			29			32			35			37			40			42		
	Throw	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 ft²)	CFM	130			150			170			190			210			230			250			270			290			310		
	Ps	.03			.04			.05			.07			.08			.10			.11			.13			.15			.18		
	NC	<20			21			24			27			30			33			36			38			40			42		
	Throw	5	8	16	6	9	19	7	11	21	8	12	24	9	13	26	10	14	29	10	16	31	11	17	33	12	18	34	13	19	35
8" DIA (.349 ft²)	CFM	150			172			194			217			239			261			283			306			328			350		
	Ps	.03			.04			.05			.07			.08			.10			.12			.14			.16			.18		
	NC	<20			21			25			28			31			34			36			38			40			42		
	Throw	6	9	19	7	11	22	8	12	24	9	14	27	10	15	30	11	16	32	12	18	33	13	19	35	14	21	36	15	22	37
10" OVAL (.395 ft²)	CFM	170			193			217			240			263			287			310			333			357			380		
	Ps	.04			.05			.06			.07			.09			.10			.12			.14			.16			.18		
	NC	<20			22			25			28			31			33			36			38			40			42		
	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 ft²)	CFM	180			206			231			257			282			308			333			359			384			410		
	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	29	11	16	32	12	18	33	13	19	35	14	21	36	15	23	38	16	24	39	17	26	40

36"

	CFM	130			153			177			200			223			247			270			293			317			340		
5" DIA (.136 ft²)	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	33	13	20	34
6" DIA (.196 ft²)	CFM	140			166			191			217			242			268			293			319			344			370		
	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 ft²)	CFM	160			187			213			240			267			293			320			347			373			400		
	Ps	.03			.04			.05			.06			.08			.09			.11			.13			.15			.17		
	NC	<20			<20			23			27			30			33			35			38			40			42		
	Throw	6	9	19	7	11	22	8	12	25	9	14	28	10	15	30	11	17	31	12	19	33	13	20	34	14	22	35	15	23	37
10" OVAL (.395 ft²)	CFM	180			209			238			267			296			324			353			382			411			440		
	Ps	.03			.04			.05			.07			.08			.10			.12			.14			.16			.18		
	NC	<20			20			23			27			30			33			35			37			40			42		
	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 (.682 ft²)	CFM	190			222			254			287			319			351			383			416			448			480		
	Ps	.03			.04			.05			.06			.08			.10			.11			.13			.16			.18		
	NC	<20			<20			23			27			30			33			35			38			40			42		
	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

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

48"

	CFM	150			182			214			247			279			311			343			376			408			440		
5" DIA (.136 ft²)	Ps	.02			.04			.05			.07			.08			.11			.13			.15			.18			.21		
	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 (.196 ft²)	Ps	.03			.04			.05			.06			.08			.10			.12			.14			.17			.19		
	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 (.349 ft²)	Ps	.03			.04			.05			.06			.07			.09			.11			.13			.15			.17		
	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 (.395 ft²)	Ps	.03			.04			.05			.07			.08			.10			.12			.14			.16			.19		
	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 (.682 ft²)	Ps	.03			.04			.06			.07			.09			.10			.12			.14			.16			.19		
	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

60"

	CFM	180			218			256			293			331			369			407			444			482			520		
5" DIA (.136 ft²)	Ps	.03			.04			.06			.08			.10			.12			.15			.17			.20			.24		
	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 (.196 ft²)	Ps	.03			.04			.06			.07			.09			.11			.13			.16			.18			.21		
	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		
8" DIA (.349 ft²)	Ps	.02			.03			.04			.06			.07			.09			.10			.12			.14			.17		
	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
	CFM	250			296			341			387			432			478			523			569			614			660		
10" OVAL (.395 ft²)	Ps	.02			.03			.04			.06			.07			.09			.10			.12			.14			.16		
	NC	<20			<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
	CFM	300			349			398			447			496			544			593			642			691			740		
12" OVAL (.682 ft²)	Ps	.03			.04			.06			.07			.09			.11			.13			.15			.17			.20		
	NC	<20			20			24			27			30			33			36			38			40			42		
	Throw	7	10	18	8	12	20	9	13	21	10	15	22	11	17	24	12	18	25	13	18	26	14	19	27	15	20	28	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