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

24"	5" DIA (.136 ft^2)	CFM	40			48			56			63			71			79			87			94			102			110		
		Ps	.04			.06			.08			.10			.13			.16			.19			.22			.26			.30		
		NC	<20			<20			21			25			29			32			34			37			39			42		
		Throw	3	4	9	4	5	11	4	6	12	5	7	14	5	8	16	6	9	18	6	10	19	7	11	21	8	11	23	8	12	24
	6" OVAL (.181 ft^2)	CFM	50			58			66			73			81			89			97			104			112			120		
		Ps	.06			.07			.10			.12			.15			.18			.21			.24			.28			.32		
		NC	<20			20			24			28			30			33			36			38			40			42		
		Throw	4	6	11	4	6	13	5	7	15	5	8	16	6	9	18	7	10	20	7	11	22	8	12	23	8	13	24	9	13	25
	8" OVAL (.289 ft^2)	CFM	60			69			78			87			96			104			113			122			131			140		
		Ps	.05			.07			.09			.11			.14			.16			.19			.22			.26			.29		
		NC	<20			22			26			29			32			35			37			39			41			43		
		Throw	4	7	13	5	8	15	6	9	17	6	10	19	7	11	21	8	12	23	8	13	24	9	14	25	10	15	26	10	16	27
	10" OVAL (.395 ft^2)	CFM	70			80			90			100			110			120			130			140			150			160		
		Ps	.07			.09			.11			.13			.16			.19			.23			.26			.30			.34		
		NC	<20			22			26			29			32			34			37			39			41			43		
		Throw	5	8	16	6	9	18	7	10	20	7	11	22	8	12	24	9	13	25	10	15	26	10	16	27	11	17	28	12	18	29
	12" OVAL (.682 ft^2)	CFM	80			90			100			110			120			130			140			150			160			170		
		Ps	.08			.10			.12			.14			.17			.20			.23			.26			.30			.34		
		NC	<20			23			26			29			31			34			36			38			40			42		
		Throw	6	9	18	7	10	20	7	11	22	8	12	24	9	13	25	10	15	26	10	16	27	11	17	28	12	18	29	13	19	30

30"	5" DIA (.136 ft^2)	CFM	50			59			68			77			86			94			103			112			121			130		
		Ps	.05			.06			.09			.11			.14			.17			.20			.24			.27			.32		
		NC	<20			<20			23			27			30			33			36			38			40			42		
		Throw	3	5	10	4	6	12	5	7	14	5	8	16	6	9	18	7	10	20	7	11	22	8	12	22	8	13	23	9	14	24
	6" OVAL (.181 ft^2)	CFM	60			69			78			87			96			104			113			122			131			140		
		Ps	.06			.08			.10			.13			.15			.18			.22			.25			.29			.33		
		NC	<20			22			25			28			31			34			36			38			41			42		
		Throw	4	6	13	5	7	14	5	8	16	6	9	18	7	10	20	7	11	22	8	12	23	9	13	23	9	14	24	10	15	25
	8" OVAL (.289 ft^2)	CFM	70			80			90			100			110			120			130			140			150			160		
		Ps	.06			.07			.09			.11			.14			.16			.19			.22			.26			.29		
		NC	<20			22			26			29			31			34			36			39			41			43		
		Throw	5	7	15	6	8	17	6	9	19	7	10	21	8	12	22	8	13	23	9	14	24	10	15	25	10	16	26	11	17	27
	10" OVAL (.395 ft^2)	CFM	80			91			102			113			124			136			147			158			169			180		
		Ps	.06			.08			.10			.12			.15			.18			.21			.24			.28			.31		
		NC	<20			22			25			28			31			34			36			38			40			42		
		Throw	6	8	17	6	10	19	7	11	21	8	12	23	9	13	24	9	14	25	10	15	26	11	17	27	12	18	28	13	19	28
	12" OVAL (.682 ft^2)	CFM	90			102			114			127			139			151			163			176			188			200		
		Ps	.07			.09			.11			.13			.16			.19			.22			.25			.29			.33		
		NC	<20			23			26			29			32			34			36			39			41			42		
		Throw	6	9	19	7	11	21	8	12	23	9	13	24	10	15	25	11	16	26	11	17	27	12	18	28	13	20	29	14	21	30

36"	5" DIA (.136 ft^2)	CFM	60			69			79			88			98			107			117			126			136			145		
		Ps	.05			.07			.09			.11			.14			.17			.20			.23			.27			.30		
		NC	<20			20			24			27			30			33			35			38			40			42		
		Throw	4	6	12	4	7	13	5	8	15	6	9	17	6	9	19	7	10	20	8	11	21	8	12	22	9	13	23	9	14	24
	6" OVAL (.181 ft^2)	CFM	70			80			90			100			110			120			130			140			150			160		
		Ps	.06			.08			.11			.13			.16			.19			.22			.26			.29			.33		
		NC	<20			22			26			29			32			34			37			39			41			43		
		Throw	5	7	14	5	8	15	6	9	17	6	10	19	7	11	21	8	12	21	8	13	22	9	14	23	10	15	24	10	15	25
	8" OVAL (.289 ft^2)	CFM	80			91			102			113			124			136			147			158			169			180		
		Ps	.06			.07			.09			.11			.14			.16			.19			.22			.25			.29		
		NC	<20			22			25			28			31			34			36			38			40			42		
		Throw	5	8	15	6	9	18	7	10	20	7	11	21	8	12	22	9	13	23	9	14	24	10	15	25	11	16	25	12	17	26
	10" OVAL (.395 ft^2)	CFM	90			103			117			130			143			157			170			183			197			210		
		Ps	.06			.08			.10			.12			.15			.18			.21			.24			.28			.32		
		NC	<20			22			25			29			31			34			36			39			41			43		
		Throw	6	9	17	7	10	20	8	11	21	8	13	22	9	14	23	10	15	25	11	16	26	12	18	27	13	19	27	14	20	28
	12" OVAL (.682 ft^2)	CFM	100			113			127			140			153			167			180			193			207			220		
		Ps	.06			.08			.10			.12			.14			.17			.20			.23			.26			.29		
		NC	<20			22			25			28			31			33			36			38			40			42		
		Throw	6	10	19	7	11	21	8	12	22	9	14	23	10	15	24	11	16	25	12	17	26	12	19	27	13	20	28	14	21	29

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

48"	5" DIA (.136 ft^2)	CFM	65			78			91			103			116			129			142			154			167			180		
		Ps	.04			.06			.08			.10			.13			.16			.19			.22			.26			.31		
		NC	<20			<20			22			26			29			32			35			38			40			42		
		Throw	3	5	10	4	6	12	5	7	14	5	8	16	6	9	17	7	10	18	7	11	19	8	12	20	9	13	21	9	14	21
	6" OVAL (.181 ft^2)	CFM	75			89			103			117			131			144			158			172			186			200		
		Ps	.05			.07			.09			.12			.15			.18			.21			.25			.29			.34		
		NC	<20			<20			24			27			31			34			36			39			41			43		
		Throw	4	6	12	5	7	14	5	8	16	6	9	17	7	10	18	8	11	19	8	13	20	9	14	21	10	15	22	11	16	23
	8" OVAL (.289 ft^2)	CFM	90			106			121			137			152			168			183			199			214			230		
		Ps	.05			.07			.09			.11			.14			.17			.20			.23			.27			.31		
		NC	<20			<20			23			27			30			33			36			38			40			42		
		Throw	5	7	14	6	8	16	6	10	18	7	11	19	8	12	20	9	13	21	10	14	22	10	16	23	11	17	23	12	17	24
	10" OVAL (.395 ft^2)	CFM	110			127			143			160			177			193			210			227			243			260		
		Ps	.06			.07			.09			.12			.14			.17			.20			.23			.27			.31		
		NC	<20			21			25			28			31			34			36			38			41			43		
		Throw	6	9	17	7	10	18	8	11	19	8	13	20	9	14	21	10	15	22	11	16	23	12	17	24	13	18	25	14	18	26
	12" OVAL (.682 ft^2)	CFM	120			138			156			173			191			209			227			244			262			280		
		Ps	.05			.07			.09			.11			.13			.16			.19			.22			.25			.29		
		NC	<20			22			25			28			31			34			36			39			41			43		
		Throw	6	9	18	7	11	19	8	12	20	9	14	21	10	15	22	11	16	23	12	17	24	13	18	25	14	18	26	15	19	27

60"	5" DIA (.136 ft^2)	CFM	90			103			117			130			143			157			170			183			197			210		
		Ps	.06			.08			.10			.13			.15			.18			.21			.25			.29			.33		
		NC	<20			21			24			27			30			33			35			38			40			42		
		Throw	3	5	10	4	6	12	4	7	12	5	7	13	5	8	14	6	9	14	6	10	15	7	10	15	7	11	16	8	12	16
	6" OVAL (.181 ft^2)	CFM	100			114			129			143			158			172			187			201			216			230		
		Ps	.07			.09			.11			.13			.16			.19			.23			.26			.30			.34		
		NC	<20			22			25			28			31			34			36			38			40			42		
		Throw	4	6	11	4	6	12	5	7	13	5	8	14	6	9	14	6	10	15	7	10	15	7	11	16	8	12	17	9	12	17
	8" OVAL (.289 ft^2)	CFM	120			137			153			170			187			203			220			237			253			270		
		Ps	.06			.08			.10			.13			.15			.18			.21			.24			.28			.32		
		NC	<20			21			25			28			31			33			35			38			40			42		
		Throw	4	7	12	5	8	13	6	9	14	6	10	15	7	10	15	8	11	16	8	12	17	9	12	17	9	13	18	10	13	19
	10" OVAL (.395 ft^2)	CFM	130			150			170			190			210			230			250			270			290			310		
		Ps	.06			.08			.10			.12			.15			.18			.21			.25			.28			.32		
		NC	<20			21			25			28			31			34			36			38			40			42		
		Throw	5	7	13	6	8	14	6	10	15	7	11	16	8	12	16	9	12	17	9	13	18	10	13	19	11	14	19	12	14	20
	12" OVAL (.682 ft^2)	CFM	140			160			180			200			220			240			260			280			300			320		
		Ps	.05			.07			.09			.11			.13			.15			.18			.21			.24			.27		
		NC	<20			21			25			28			31			33			36			38			40			42		
		Throw	5	8	13	6	9	14	7	10	15	7	11	16	8	12	17	9	12	18	10	13	18	10	13	19	11	14	20	12	14	20

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

24"

	CFM	70			82			94			107			119			131			143			156			168			180		
5" DIA (.136 ft²)	Ps	.05			.06			.08			.11			.13			.16			.19			.23			.27			.31		
	NC	<20			<20			23			27			30			33			35			38			40			42		
	Throw	4	6	13	5	7	15	6	8	17	6	10	19	7	11	21	8	12	23	9	13	26	9	14	28	10	15	29	11	16	30
	CFM	80			92			104			117			129			141			153			166			178			190		
6" OVAL (.181 ft²)	Ps	.05			.07			.09			.12			.14			.17			.20			.23			.27			.31		
	NC	<20			20			24			27			30			33			35			38			40			42		
	Throw	5	7	14	5	8	16	6	9	19	7	10	21	8	12	23	8	13	25	9	14	27	10	15	29	11	16	30	11	17	31
	CFM	100			114			129			143			158			172			187			201			216			230		
8" OVAL (.289 ft²)	Ps	.06			.08			.10			.12			.15			.18			.21			.24			.27			.31		
	NC	<20			22			25			28			31			34			36			38			40			42		
	Throw	6	9	18	7	10	20	8	12	23	9	13	26	9	14	28	10	15	29	11	17	31	12	18	32	13	19	33	14	21	34
	CFM	110			126			141			157			172			188			203			219			234			250		
10" OVAL (.395 ft²)	Ps	.05			.07			.09			.11			.13			.15			.18			.21			.24			.27		
	NC	<20			22			25			28			31			34			36			38			40			42		
	Throw	7	10	20	7	11	22	8	13	25	9	14	28	10	15	29	11	17	31	12	18	32	13	20	33	14	21	34	15	22	35
	CFM	120			137			153			170			187			203			220			237			253			270		
12" OVAL (.682 ft²)	Ps	.06			.07			.09			.11			.14			.16			.19			.22			.25			.29		
	NC	<20			22			26			29			31			34			36			38			40			42		
	Throw	7	11	21	8	12	24	9	14	27	10	15	29	11	17	31	12	18	32	13	20	33	14	21	34	15	23	36	16	24	37

30"

	CFM	70			86			101			117			132			148			163			179			194			210		
5" DIA (.136 ft²)	Ps	.04			.05			.07			.10			.13			.16			.20			.23			.28			.32		
	NC	<20			<20			20			25			28			32			35			37			40			42		
	Throw	4	6	12	5	7	14	6	8	17	7	10	20	7	11	22	8	12	25	9	14	27	10	15	28	11	16	29	12	18	30
	CFM	80			97			113			130			147			163			180			197			213			230		
6" OVAL (.181 ft²)	Ps	.04			.06			.08			.11			.14			.17			.21			.25			.29			.34		
	NC	<20			<20			22			26			29			33			35			38			40			43		
	Throw	4	7	13	5	8	16	6	9	19	7	11	22	8	12	25	9	14	27	10	15	28	11	16	29	12	18	31	13	19	32
	CFM	100			119			138			157			176			194			213			232			251			270		
8" OVAL (.289 ft²)	Ps	.04			.06			.09			.11			.14			.17			.20			.24			.28			.33		
	NC	<20			<20			23			26			30			33			36			38			40			43		
	Throw	6	8	17	7	10	20	8	12	23	9	13	26	10	15	28	11	16	29	12	18	31	13	19	32	14	21	33	15	23	34
	CFM	120			139			158			177			196			214			233			252			271			290		
10" OVAL (.395 ft²)	Ps	.05			.06			.08			.10			.13			.15			.18			.21			.25			.28		
	NC	<20			20			24			27			30			33			35			37			40			42		
	Throw	7	10	20	8	12	23	9	13	26	10	15	28	11	16	29	12	18	31	13	20	32	14	21	33	15	23	34	16	24	36
	CFM	140			160			180			200			220			240			260			280			300			320		
12" OVAL (.682 ft²)	Ps	.06			.07			.09			.11			.14			.16			.19			.22			.26			.29		
	NC	<20			21			25			28			31			33			36			38			40			42		
	Throw	8	12	23	9	13	26	10	15	28	11	17	30	12	18	31	13	20	32	15	22	34	16	23	35	17	25	36	18	26	37

36"

	CFM	100			116			131			147			162			178			193			209			224			240		
5" DIA (.136 ft²)	Ps	.06			.08			.10			.13			.15			.19			.22			.26			.30			.34		
	NC	<20			20			24			27			30			33			35			38			40			42		
	Throw	5	8	15	6	9	18	7	10	20	8	11	23	8	13	25	9	14	26	10	15	27	11	16	28	12	17	29	12	19	30
	CFM	110			127			143			160			177			193			210			227			243			260		
6" OVAL (.181 ft²)	Ps	.06			.08			.10			.13			.16			.19			.22			.26			.30			.34		
	NC	<20			21			25			28			31			33			36			38			40			42		
	Throw	6	9	17	7	10	20	7	11	22	8	12	24	9	14	26	10	15	27	11	16	28	12	18	29	13	19	30	13	20	31
	CFM	130			149			168			187			206			224			243			262			281			300		
8" OVAL (.289 ft²)	Ps	.06			.08			.10			.12			.15			.18			.21			.24			.28			.32		
	NC	<20			21			25			28			31			33			35			38			40			42		
	Throw	7	10	20	8	12	23	9	13	25	10	14	26	11	16	28	12	17	29	13	19	30	14	20	31	15	22	32	15	23	34
	CFM	140			162			184			207			229			251			273			296			318			340		
10" OVAL (.395 ft²)	Ps	.05			.07			.09			.11			.14			.17			.20			.23			.27			.30		
	NC	<20			20			24			27			30			33			36			38			40			42		
	Throw	7	11	22	8	13	25	10	14	26	11	16	28	12	18	29	13	19	31	14	21	32	15	23	33	16	24	34	18	25	36
	CFM	150			176			201			227			252			278			303			329			354			380		
12" OVAL (.682 ft²)	Ps	.05			.07			.09			.11			.14			.17			.20			.23			.27			.31		
	NC	<20			20			24			27			30			33			36			38			40			42		
	Throw	8	12	23	9	14	26	10	16	27	12	18	29	13	20	31	14	22	32	16	23	34	17	25	35	18	26	36	20	27	38

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

48"	5" DIA (.136 ft²)	CFM	100			122			144			167			189			211			233			256			278			300		
		Ps	.04			.06			.08			.11			.14			.18			.22			.26			.31			.36		
		NC	<20			<20			20			24			28			31			34			37			39			42		
		Throw	4	6	13	5	8	15	6	9	18	7	11	20	8	12	22	9	13	23	10	15	24	11	16	25	12	18	26	13	19	27
	6" OVAL (.181 ft²)	CFM	120			143			167			190			213			237			260			283			307			330		
		Ps	.05			.07			.09			.12			.15			.19			.23			.27			.31			.36		
		NC	<20			<20			22			26			30			33			35			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	27	13	19	28	14	20	29
	8" OVAL (.289 ft²)	CFM	150			176			201			227			252			278			303			329			354			380		
		Ps	.05			.07			.09			.12			.15			.18			.21			.25			.29			.34		
		NC	<20			<20			23			27			30			33			35			38			40			42		
		Throw	6	9	19	7	11	21	8	13	22	10	14	24	11	16	25	12	18	26	13	19	28	14	20	29	15	21	30	16	22	31
	10" OVAL (.395 ft²)	CFM	180			208			236			263			291			319			347			374			402			430		
		Ps	.06			.08			.10			.12			.15			.18			.21			.24			.28			.32		
		NC	<20			21			24			28			31			33			36			38			40			42		
		Throw	8	11	21	9	13	23	10	15	24	11	17	26	12	18	27	13	20	28	15	21	29	16	22	31	17	22	32	18	23	33
	12" OVAL (.682 ft²)	CFM	200			231			262			293			324			356			387			418			449			480		
		Ps	.05			.07			.09			.12			.14			.17			.20			.24			.27			.31		
		NC	<20			20			24			27			30			33			36			38			40			42		
		Throw	8	13	22	10	15	24	11	17	26	12	19	27	14	20	28	15	21	30	16	22	31	18	23	32	19	24	33	20	24	35

60"	5" DIA (.136 ft²)	CFM	120			146			171			197			222			248			273			299			324			350		
		Ps	.04			.06			.09			.12			.15			.19			.23			.27			.32			.37		
		NC	<20			<20			21			25			29			32			35			37			40			42		
		Throw	4	5	11	4	7	13	5	8	15	6	9	16	7	10	17	7	11	18	8	12	18	9	13	19	10	14	20	10	15	21
	6" OVAL (.181 ft²)	CFM	150			174			199			223			248			272			297			321			346			370		
		Ps	.05			.07			.09			.12			.15			.18			.21			.25			.28			.33		
		NC	<20			20			23			27			30			33			35			38			40			42		
		Throw	4	7	13	5	8	15	6	9	16	7	10	17	7	11	18	8	12	18	9	13	19	10	14	20	10	15	21	11	15	21
	8" OVAL (.289 ft²)	CFM	180			209			238			267			296			324			353			382			411			440		
		Ps	.05			.07			.09			.12			.15			.18			.21			.24			.28			.32		
		NC	<20			20			24			27			30			33			35			38			40			42		
		Throw	5	8	15	6	9	16	7	11	17	8	12	18	9	13	19	10	14	20	11	15	21	11	15	22	12	16	23	13	17	23
	10" OVAL (.395 ft²)	CFM	200			236			271			307			342			378			413			449			484			520		
		Ps	.05			.07			.10			.12			.15			.19			.22			.26			.31			.36		
		NC	<20			<20			23			27			30			33			36			38			41			43		
		Throw	6	9	16	7	11	17	8	12	18	9	14	20	10	15	21	11	15	22	12	16	23	13	17	24	14	17	25	15	18	25
	12" OVAL (.682 ft²)	CFM	240			276			311			347			382			418			453			489			524			560		
		Ps	.06			.08			.10			.12			.15			.18			.21			.24			.28			.32		
		NC	<20			21			24			27			30			33			35			38			40			42		
		Throw	7	11	17	8	12	19	9	14	20	10	15	21	11	15	22	12	16	23	14	17	24	14	17	25	15	18	26	15	19	26

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

24"

	CFM	90			108			126			143			161			179			197			214			232			250		
5" DIA (.136 ft²)	Ps	.04			.05			.07			.09			.12			.14			.18			.21			.24			.28		
	NC	<20			<20			22			26			29			32			35			38			40			42		
	Throw	4	6	13	5	8	15	6	9	18	7	10	21	8	12	23	9	13	26	9	14	28	10	15	31	11	17	32	12	18	34
	CFM	100			119			138			157			176			194			213			232			251			270		
6" DIA (.196 ft²)	Ps	.04			.05			.07			.09			.12			.15			.18			.21			.24			.28		
	NC	<20			<20			23			26			30			33			36			38			40			43		
	Throw	5	7	14	6	9	17	7	10	20	7	11	22	8	13	25	9	14	28	10	15	31	11	17	32	12	18	34	13	19	35
	CFM	120			147			173			200			227			253			280			307			333			360		
8" DIA (.349 ft²)	Ps	.03			.05			.07			.09			.12			.15			.18			.21			.25			.30		
	NC	<20			<20			20			24			28			31			34			37			39			42		
	Throw	6	9	17	7	10	21	8	12	25	10	14	29	11	16	32	12	18	34	13	20	35	15	22	37	16	24	39	17	26	40
	CFM	170			203			237			270			303			337			370			403			437			470		
10" OVAL (.395 ft²)	Ps	.04			.06			.09			.11			.14			.18			.21			.25			.30			.34		
	NC	<20			<20			21			25			29			32			35			37			39			42		
	Throw	8	12	24	10	15	29	11	17	33	13	19	35	14	22	37	16	24	39	18	26	41	19	29	43	21	31	44	22	33	46
	CFM	220			252			284			317			349			381			413			446			478			510		
12" OVAL (.682 ft²)	Ps	.07			.09			.11			.14			.17			.20			.24			.27			.32			.36		
	NC	<20			21			25			28			31			33			36			38			40			42		
	Throw	10	16	31	12	18	34	14	20	36	15	23	38	17	25	40	18	27	41	20	30	43	21	32	45	23	33	46	24	34	48

30"

	CFM	100			119			138			157			176			194			213			232			251			270		
5" DIA (.136 ft²)	Ps	.04			.05			.07			.09			.12			.14			.17			.20			.24			.28		
	NC	<20			<20			22			26			29			32			35			38			40			42		
	Throw	4	7	13	5	8	16	6	9	18	7	10	21	8	12	24	9	13	26	10	14	29	10	16	30	11	17	31	12	18	33
	CFM	120			140			160			180			200			220			240			260			280			300		
6" DIA (.196 ft²)	Ps	.04			.06			.08			.10			.12			.15			.18			.21			.24			.28		
	NC	<20			21			25			28			31			34			37			39			41			43		
	Throw	5	8	16	6	9	19	7	11	21	8	12	24	9	13	27	10	15	29	11	16	31	12	17	32	12	19	33	13	20	34
	CFM	160			187			213			240			267			293			320			347			373			400		
8" DIA (.349 ft²)	Ps	.05			.06			.08			.10			.13			.16			.19			.22			.25			.29		
	NC	<20			<20			23			27			30			33			35			38			40			42		
	Throw	7	11	21	8	12	25	10	14	29	11	16	31	12	18	32	13	20	34	14	21	35	15	23	37	17	25	38	18	27	40
	CFM	220			253			287			320			353			387			420			453			487			520		
10" OVAL (.395 ft²)	Ps	.06			.08			.10			.13			.15			.18			.22			.25			.29			.33		
	NC	<20			21			24			28			31			33			36			38			40			42		
	Throw	10	15	29	11	17	32	13	19	34	14	21	35	16	24	37	17	26	39	19	28	41	20	30	42	22	31	44	23	32	45
	CFM	240			278			316			353			391			429			467			504			542			580		
12" OVAL (.682 ft²)	Ps	.06			.08			.10			.13			.16			.19			.22			.26			.30			.35		
	NC	<20			20			24			27			30			33			36			38			40			42		
	Throw	11	16	31	12	19	33	14	21	35	16	24	37	17	26	39	19	29	41	21	30	43	23	32	45	24	33	46	26	34	48

36"

	CFM	100			121			142			163			184			206			227			248			269			290		
5" DIA (.136 ft²)	Ps	.03			.05			.06			.09			.11			.14			.17			.20			.23			.27		
	NC	<20			<20			21			25			28			32			35			37			40			42		
	Throw	4	6	12	5	8	15	6	9	18	7	10	20	8	11	23	8	13	25	9	14	28	10	15	29	11	17	30	12	18	31
	CFM	140			159			178			197			216			234			253			272			291			310		
6" DIA (.196 ft²)	Ps	.05			.06			.08			.10			.12			.14			.16			.18			.21			.24		
	NC	<20			22			25			28			31			34			36			38			40			42		
	Throw	6	9	17	7	10	20	7	11	22	8	12	24	9	13	27	10	15	28	10	16	29	11	17	30	12	18	31	13	19	32
	CFM	180			208			236			263			291			319			347			374			402			430		
8" DIA (.349 ft²)	Ps	.05			.06			.08			.10			.13			.15			.18			.21			.24			.27		
	NC	<20			20			24			27			30			33			35			38			40			42		
	Throw	7	11	22	9	13	26	10	15	28	11	16	30	12	18	31	13	20	33	14	21	34	15	23	36	17	25	37	18	27	38
	CFM	230			267			303			340			377			413			450			487			523			560		
10" OVAL (.395 ft²)	Ps	.05			.07			.09			.12			.14			.17			.20			.24			.28			.32		
	NC	<20			20			24			27			30			33			36			38			40			42		
	Throw	10	14	28	11	17	30	13	19	32	14	21	34	16	23	36	17	26	37	19	28	39	20	29	41	22	30	42	23	31	43
	CFM	280			322			364			407			449			491			533			576			618			660		
12" OVAL (.682 ft²)	Ps	.06			.08			.11			.13			.16			.19			.23			.26			.30			.35		
	NC	<20			21			25			28			31			34			36			38			40			42		
	Throw	12	17	31	13	20	33	15	23	35	17	25	37	19	28	39	20	29	41	22	30	42	24	31	44	26	32	46	27	33	47

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

48"	5" DIA (.136 ft^2)	CFM	140			162			184			207			229			251			273			296			318			340		
		Ps	.05			.06			.08			.10			.13			.15			.18			.21			.24			.28		
		NC	<20			20			24			28			31			33			36			38			40			42		
		Throw	5	7	14	5	8	16	6	9	19	7	10	21	8	12	23	8	13	24	9	14	25	10	15	26	11	16	27	11	17	28
	6" DIA (.196 ft^2)	CFM	160			182			204			227			249			271			293			316			338			360		
		Ps	.04			.06			.07			.09			.11			.13			.15			.17			.20			.22		
		NC	<20			22			25			28			31			34			36			38			40			42		
		Throw	5	8	16	6	9	18	7	10	21	8	11	23	8	13	24	9	14	25	10	15	26	11	16	27	11	17	28	12	18	28
	8" DIA (.349 ft^2)	CFM	220			251			282			313			344			376			407			438			469			500		
		Ps	.05			.07			.08			.10			.12			.15			.17			.20			.23			.26		
		NC	<20			21			25			28			31			33			36			38			40			42		
		Throw	7	11	22	8	13	24	10	14	25	11	16	27	12	17	28	13	19	29	14	21	30	15	22	31	16	23	32	17	24	34
	10" OVAL (.395 ft^2)	CFM	280			320			360			400			440			480			520			560			600			640		
		Ps	.06			.07			.09			.11			.14			.16			.19			.22			.25			.29		
		NC	<20			21			25			28			31			33			36			38			40			42		
		Throw	9	14	25	11	16	27	12	18	28	13	20	30	15	22	31	16	23	33	18	24	34	19	25	35	20	26	37	22	27	38
	12" OVAL (.682 ft^2)	CFM	340			391			442			493			544			596			647			698			749			800		
		Ps	.06			.08			.10			.13			.15			.18			.22			.25			.29			.33		
		NC	<20			21			25			28			31			33			36			38			40			42		
		Throw	11	17	28	13	20	30	15	22	32	17	24	33	18	25	35	20	26	37	22	27	38	23	28	40	24	29	41	24	30	42

60"	5" DIA (.136 ft^2)	CFM	140			164			189			213			238			262			287			311			336			360		
		Ps	.04			.05			.07			.09			.11			.14			.16			.19			.22			.26		
		NC	<20			<20			23			27			30			33			35			38			40			42		
		Throw	3	5	10	4	6	12	5	7	14	5	8	15	6	9	16	6	9	17	7	10	18	7	11	19	8	12	19	9	13	20
	6" DIA (.196 ft^2)	CFM	160			186			211			237			262			288			313			339			364			390		
		Ps	.03			.05			.06			.07			.09			.11			.13			.15			.18			.20		
		NC	<20			20			24			28			31			33			36			38			40			42		
		Throw	4	6	11	4	7	13	5	8	15	6	8	16	6	9	17	7	10	18	7	11	19	8	12	20	9	13	20	9	14	21
	8" DIA (.349 ft^2)	CFM	230			267			303			340			377			413			450			487			523			560		
		Ps	.04			.06			.08			.10			.12			.14			.17			.20			.23			.26		
		NC	<20			20			24			27			30			33			36			38			40			42		
		Throw	5	8	16	6	10	17	7	11	18	8	12	20	9	13	21	10	15	22	11	16	23	12	17	23	12	17	24	13	18	25
	10" OVAL (.395 ft^2)	CFM	300			347			393			440			487			533			580			627			673			720		
		Ps	.05			.07			.09			.11			.13			.16			.18			.22			.25			.28		
		NC	<20			21			24			28			31			33			36			38			40			42		
		Throw	7	11	18	8	12	20	9	14	21	10	16	22	12	17	23	13	17	24	14	18	26	15	19	27	16	19	28	16	20	28
	12" OVAL (.682 ft^2)	CFM	360			418			476			533			591			649			707			764			822			880		
		Ps	.05			.07			.09			.12			.14			.17			.20			.24			.27			.31		
		NC	<20			20			24			27			30			33			35			38			40			42		
		Throw	9	13	20	10	15	22	11	16	23	13	17	24	14	18	26	15	19	27	16	20	28	17	21	29	18	22	30	18	22	31

Test Standard
- ANSI / ASHRAE standard 70
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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-10 • 1" SLOT WIDTH • 4 SLOT • ONE WAY DISCHARGE

24"

	CFM	110			129			148			167			186			204			223			242			261			280		
5" DIA (.136 ft²)	Ps	.04			.06			.08			.10			.12			.14			.17			.20			.24			.27		
	NC	<20			<20			23			26			29			32			35			37			40			42		
	Throw	5	7	14	5	8	16	6	9	19	7	10	21	8	12	23	9	13	26	9	14	28	10	15	30	11	16	33	12	18	34
	CFM	130			149			168			187			206			224			243			262			281			300		
6" DIA (.196 ft²)	Ps	.05			.06			.08			.10			.12			.14			.17			.19			.22			.25		
	NC	<20			21			24			28			30			33			35			38			40			42		
	Throw	5	8	16	6	9	19	7	11	21	8	12	23	9	13	26	9	14	28	10	15	30	11	16	33	12	18	34	13	19	35
	CFM	170			197			223			250			277			303			330			357			383			410		
8" DIA (.349 ft²)	Ps	.05			.06			.08			.10			.12			.15			.18			.21			.24			.27		
	NC	<20			20			24			27			30			33			35			38			40			42		
	Throw	7	11	21	8	12	25	9	14	28	10	16	31	12	17	34	13	19	35	14	21	37	15	22	38	16	24	40	17	26	41
	CFM	220			256			291			327			362			398			433			469			504			540		
10" OVAL (.395 ft²)	Ps	.05			.07			.10			.12			.15			.18			.21			.25			.29			.33		
	NC	<20			20			24			27			31			33			36			38			40			42		
	Throw	9	14	28	11	16	32	12	18	35	14	20	37	15	23	38	17	25	40	18	27	42	20	29	44	21	32	45	23	33	47
	CFM	240			278			316			353			391			429			467			504			542			580		
12" OVAL (.682 ft²)	Ps	.06			.08			.10			.13			.15			.18			.22			.26			.30			.34		
	NC	<20			21			24			28			31			34			36			38			40			42		
	Throw	10	15	30	12	17	34	13	20	36	15	22	38	16	24	40	18	27	42	19	29	44	21	32	45	23	33	47	24	34	49

30"

	CFM	120			144			169			193			218			242			267			291			316			340		
5" DIA (.136 ft²)	Ps	.04			.05			.07			.09			.12			.15			.18			.21			.25			.29		
	NC	<20			<20			22			26			29			32			35			38			40			42		
	Throw	5	7	14	6	8	17	7	10	20	8	11	23	9	13	26	9	14	28	10	16	31	11	17	32	12	18	34	13	20	35
	CFM	160			182			204			227			249			271			293			316			338			360		
6" DIA (.196 ft²)	Ps	.05			.07			.08			.10			.13			.15			.17			.20			.23			.26		
	NC	<20			22			25			28			31			34			36			38			40			42		
	Throw	6	9	19	7	11	21	8	12	24	9	13	27	10	15	29	11	16	31	11	17	32	12	18	34	13	20	35	14	21	36
	CFM	200			228			256			283			311			339			367			394			422			450		
8" DIA (.349 ft²)	Ps	.05			.07			.09			.10			.13			.15			.18			.20			.23			.26		
	NC	<20			22			25			28			31			34			36			38			40			42		
	Throw	8	12	23	9	13	27	10	15	30	11	17	32	12	18	33	13	20	35	14	21	36	15	23	38	16	25	39	18	26	40
	CFM	240			278			316			353			391			429			467			504			542			580		
10" OVAL (.395 ft²)	Ps	.05			.07			.09			.11			.14			.16			.20			.23			.26			.30		
	NC	<20			20			24			27			30			33			35			38			40			42		
	Throw	9	14	28	11	16	32	12	18	34	14	21	36	15	23	37	17	25	39	18	27	41	20	30	42	21	31	44	23	32	46
	CFM	280			322			364			407			449			491			533			576			618			660		
12" OVAL (.682 ft²)	Ps	.06			.08			.10			.12			.15			.18			.21			.25			.28			.33		
	NC	<20			21			25			28			31			34			36			38			40			42		
	Throw	11	16	32	13	19	34	14	21	36	16	24	38	18	26	40	19	29	42	21	31	44	22	32	45	24	33	47	26	34	49

36"

	CFM	140			168			196			223			251			279			307			334			362			390		
5" DIA (.136 ft²)	Ps	.04			.05			.07			.09			.12			.15			.18			.21			.25			.28		
	NC	<20			<20			22			26			29			32			35			38			40			42		
	Throw	5	8	15	6	9	18	7	11	21	8	12	24	9	14	27	10	15	29	11	17	31	12	18	32	13	20	33	14	21	35
	CFM	180			207			233			260			287			313			340			367			393			420		
6" DIA (.196 ft²)	Ps	.05			.07			.08			.10			.13			.15			.18			.21			.24			.27		
	NC	<20			22			25			28			31			34			36			38			41			42		
	Throw	7	10	20	7	11	22	8	13	25	9	14	28	10	16	30	11	17	31	12	18	32	13	20	34	14	21	35	15	23	36
	CFM	200			231			262			293			324			356			387			418			449			480		
8" DIA (.349 ft²)	Ps	.04			.06			.07			.09			.11			.13			.16			.19			.22			.25		
	NC	<20			20			24			27			30			33			35			38			40			42		
	Throw	7	11	22	8	13	25	9	14	28	11	16	30	12	18	32	13	19	33	14	21	34	15	23	36	16	24	37	17	26	38
	CFM	260			302			344			387			429			471			513			556			598			640		
10" OVAL (.395 ft²)	Ps	.05			.07			.09			.11			.13			.16			.19			.23			.26			.30		
	NC	<20			20			24			27			30			33			36			38			40			42		
	Throw	9	14	28	11	16	30	12	19	33	14	21	34	16	23	36	17	26	38	19	28	40	20	29	41	22	30	43	23	31	44
	CFM	300			349			398			447			496			544			593			642			691			740		
12" OVAL (.682 ft²)	Ps	.05			.07			.09			.11			.14			.17			.20			.24			.28			.32		
	NC	<20			20			24			27			30			33			36			38			40			42		
	Throw	11	16	30	13	19	33	14	22	35	16	24	37	18	27	39	20	29	41	21	30	43	23	31	44	25	33	46	27	34	48

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

Length	Inlet											
48"	5" DIA (.136 ft^2)	CFM	190	223	257	290	323	357	390	423	457	490
		Ps	.04	.06	.08	.10	.12	.15	.18	.21	.24	.28
		NC	<20	<20	23	27	30	33	35	38	40	42
		Throw	6 / 8 / 17	7 / 10 / 20	8 / 11 / 23	9 / 13 / 24	10 / 14 / 26	11 / 16 / 27	12 / 17 / 28	12 / 19 / 29	13 / 20 / 31	14 / 22 / 32
	6" DIA (.196 ft^2)	CFM	220	253	287	320	353	387	420	453	487	520
		Ps	.05	.06	.08	.10	.12	.14	.17	.20	.23	.26
		NC	<20	21	24	27	30	33	36	38	40	42
		Throw	6 / 10 / 19	7 / 11 / 22	8 / 13 / 24	9 / 14 / 26	10 / 16 / 27	11 / 17 / 28	12 / 19 / 29	13 / 20 / 30	14 / 22 / 32	15 / 23 / 33
	8" DIA (.349 ft^2)	CFM	260	293	327	360	393	427	460	493	527	560
		Ps	.05	.06	.08	.10	.12	.14	.16	.18	.21	.24
		NC	<20	23	26	29	32	34	36	38	40	42
		Throw	8 / 12 / 23	9 / 13 / 24	10 / 14 / 26	11 / 16 / 27	12 / 17 / 28	13 / 19 / 30	14 / 20 / 31	15 / 22 / 32	16 / 23 / 33	17 / 24 / 34
	10" OVAL (.395 ft^2)	CFM	300	349	398	447	496	544	593	642	691	740
		Ps	.05	.06	.08	.10	.13	.15	.18	.21	.25	.28
		NC	<20	20	24	27	30	33	36	38	40	42
		Throw	9 / 13 / 25	10 / 15 / 27	12 / 18 / 29	13 / 20 / 30	15 / 22 / 32	16 / 24 / 33	18 / 25 / 35	19 / 26 / 36	20 / 27 / 38	22 / 28 / 39
	12" OVAL (.682 ft^2)	CFM	360	420	480	540	600	660	720	780	840	900
		Ps	.05	.07	.09	.11	.13	.16	.19	.23	.26	.30
		NC	<20	20	24	27	30	33	35	38	40	42
		Throw	11 / 16 / 27	12 / 19 / 29	14 / 21 / 31	16 / 23 / 33	18 / 25 / 35	19 / 26 / 37	21 / 27 / 38	23 / 28 / 40	24 / 29 / 41	25 / 30 / 43
60"	5" DIA (.136 ft^2)	CFM	200	238	276	313	351	389	427	464	502	540
		Ps	.04	.06	.08	.10	.12	.15	.18	.22	.25	.29
		NC	<20	<20	22	26	29	32	35	37	40	42
		Throw	4 / 6 / 13	5 / 7 / 15	6 / 9 / 17	7 / 10 / 18	7 / 11 / 19	8 / 12 / 20	9 / 13 / 21	10 / 15 / 22	10 / 16 / 23	11 / 17 / 23
	6" DIA (.196 ft^2)	CFM	240	278	316	353	391	429	467	504	542	580
		Ps	.05	.06	.08	.10	.12	.15	.17	.20	.23	.27
		NC	<20	20	24	27	30	33	36	38	40	42
		Throw	5 / 8 / 15	6 / 9 / 17	7 / 10 / 18	7 / 11 / 19	8 / 12 / 20	9 / 13 / 21	10 / 15 / 22	11 / 16 / 23	11 / 17 / 24	12 / 17 / 24
	8" DIA (.349 ft^2)	CFM	280	319	358	397	436	474	513	552	591	630
		Ps	.05	.06	.07	.09	.11	.13	.15	.18	.20	.23
		NC	<20	22	26	29	32	34	36	39	41	42
		Throw	6 / 9 / 17	7 / 10 / 18	7 / 11 / 19	8 / 12 / 20	9 / 14 / 21	10 / 15 / 22	11 / 16 / 23	12 / 17 / 24	12 / 17 / 25	13 / 18 / 25
	10" OVAL (.395 ft^2)	CFM	340	393	447	500	553	607	660	713	767	820
		Ps	.05	.06	.08	.10	.13	.15	.18	.21	.24	.28
		NC	<20	20	24	28	30	33	36	38	40	42
		Throw	7 / 11 / 19	8 / 12 / 20	9 / 14 / 21	10 / 16 / 23	12 / 17 / 24	13 / 18 / 25	14 / 18 / 26	15 / 19 / 27	16 / 20 / 28	17 / 20 / 29
	12" OVAL (.682 ft^2)	CFM	400	467	533	600	667	733	800	867	933	1000
		Ps	.05	.06	.08	.10	.13	.16	.19	.22	.25	.29
		NC	<20	20	24	27	30	33	36	38	40	42
		Throw	8 / 13 / 20	10 / 15 / 22	11 / 17 / 23	13 / 18 / 25	14 / 18 / 26	15 / 19 / 27	17 / 20 / 29	17 / 21 / 30	18 / 22 / 31	18 / 23 / 32

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