

# Model SSLT Concentric Diffuser / Supply Performance Data

CFM		Number of 6" Elements				Number of 8" Elements				Number of 10" Elements				Number of 12" Elements				Number of 14" Elements					
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
200	Ps	0.19				0.07																	
	Throw,ft	35				30																	
	NC	20				<20																	
300	Ps	0.43				0.14																	
	Throw,ft	40				35																	
	NC	28				<20																	
400	Ps	0.77	0.19			0.25	0.07																
	Throw,ft	45	40			40	35																
	NC	50	45			24	<20																
500	Ps	1.10	0.29			0.40	0.10			0.13				0.07									
	Throw,ft	50	45			45	40			40				35									
	NC	49	30			32	<20							<20									
600	Ps		0.42	0.19		0.55	0.14			0.19				0.10						0.04			
	Throw,ft		50	40		50	45			45				40						35			
	NC		34	24		36	21			22				<20						<20			
700	Ps		0.55	0.22		0.77	0.20			0.25				0.13						0.07			
	Throw,ft		55	45		55	50			50				40						35			
	NC		37	29		39	26			26				<20						<20			
800	Ps		0.77	0.33	0.19	0.99	0.25	0.11		0.33	0.10			0.18	0.04					0.09			
	Throw,ft		60	50	40	60	50	45		50	40			45	35					40			
	NC		42	33	25	60	55	50		31	<20			22	<20					<20			
900	Ps		0.90	0.43	0.24		0.32	0.14	0.08	0.42	0.12			0.22	0.06					0.11			
	Throw,ft		65	55	45		1	50	40	55	45			50	40					45			
	NC		46	35	29		33	22	<20	34	<20			28	<20					<20			
1,000	Ps			0.51	0.29		0.40	0.18	0.10	0.53	0.14			0.28	0.07					0.13			
	Throw,ft			60	50		60	55	45	60	50			55	45					50			
	NC			39	33		35	26	<20	36	<20			32	<20					<20			
1,200	Ps			0.77	0.43		0.55	0.25	0.14	0.84	0.21	0.09		0.40	0.10	0.04				0.19	0.04		
	Throw,ft			65	55		60	55	50	65	55	50		60	50	45				55	45		
	NC			43	36		35	26	<20	41	26	<20		35	<20	<20				29	<20		
1,400	Ps			0.99	0.55		0.77	0.34	0.20	1.05	0.28	0.11	0.08	0.55	0.13	0.06				0.26	0.07		
	Throw,ft			70	60		65	60	55	70	60	55	50	65	55	50				60	50		
	NC			47	40		43	35	30	49	31	<20	<20	39	20	<20				34	<20		
1,600	Ps				0.77		0.99	0.44	0.25		0.33	0.14	0.10	0.72	0.18	0.08				0.34	0.09		
	Throw,ft				65		70	65	60		65	60	55	70	60	55				65	55		
	NC				43		48	38	33		35	<20	<20	42	26	<20				36	<20		
1,800	Ps				0.94			0.55	0.32		0.42	0.19	0.12	0.88	0.22	0.10				0.51	0.11	0.04	
	Throw,ft				70			70	65		70	65	60	70	65	60				65	60	55	
	NC				47			41	36		39	24	<20	46	31	<20				39	22	<20	
2,000	Ps							0.69	0.40		0.53	0.23	0.14	1.10	0.28	0.12				0.55	0.13	0.07	
	Throw,ft							75	70		75	70	65	75	70	65				70	65	60	
	NC							44	38		42	30	20	50	35	21				42	27	<20	
2,200	Ps							0.84	0.46		0.64	0.29	0.17		0.33	0.14	0.09			0.66	0.17	0.08	
	Throw,ft							80	75		80	75	70		75	70	65			75	70	65	
	NC							46	40		45	33	24		37	24	20			45	31	<20	
2,400	Ps								0.55		0.77	0.33	0.19		0.40	0.18	0.10			0.77	0.19	0.09	0.04
	Throw,ft								80		85	80	75		80	75	70			80	75	70	65
	NC								44		47	35	27		38	28	21			47	32	<20	<20
2,600	Ps								0.66		0.88	0.40	0.22		0.45	0.21	0.12			0.88	0.23	0.11	0.06
	Throw,ft								85		90	85	80		85	80	75			85	80	75	70
	NC								45		50	38	31		40	32	23			50	36	22	<20
2,800	Ps								0.77		1.05	0.45	0.25		0.55	0.23	0.13			0.99	0.26	0.12	0.07
	Throw,ft								90		95	90	85		90	85	80			90	85	80	75
	NC								46		53	40	33		43	34	24			53	37	25	<20
3,000	Ps								0.88			0.53	0.30		0.62	0.28	0.15			1.10	0.31	0.13	0.08
	Throw,ft								95			95	90		95	90	85			95	90	85	80
	NC								48			42	36		45	36	27			55	39	29	20
3,500	Ps								1.21			0.68	0.40		0.83	0.34	0.21				0.43	0.19	0.10
	Throw,ft								100			100	95		100	95	90				95	90	85
	NC								51				39		48	39	32				42	33	25
4,000	Ps											0.94	0.53		1.10	0.48	0.28				0.55	0.23	0.13
	Throw,ft												110	105		110	105	100			105	100	95
	NC															51	41	37			45	38	30



**KEES INCORPORATED**  
 400 S. Industrial Dr. • P.O. Box L  
 Elkhart Lake, WI 53020

Phone: (920) 876-3391  
 Fax: (920) 876-3065  
 Website: www.kees.com

# Model SSLT Concentric Diffuser / Supply Performance Data

CFM		Number of 6" Elements				Number of 8" Elements				Number of 10" Elements				Number of 12" Elements				Number of 14" Elements			
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
4,500	Ps											1.10	0.66			0.62	0.34		0.69	0.30	0.18
	Throw,ft											120	115			115	110		115	110	105
	NC											54	46			44	41		48	40	33
5,000	Ps											0.83			0.83	0.44		0.83	0.35	0.21	
	Throw,ft											125			125	120		125	120	115	
	NC											50			47	43		52	43	36	
6,000	Ps											1.10			1.10	0.64		1.10	0.53	0.30	
	Throw,ft											135			135	130		135	130	125	
	NC											55			50	47		58	46	42	
7,000	Ps														0.88			0.73	0.41		
	Throw,ft														140			140	135		
	NC														50			51	45		
8,000	Ps														1.10			0.92	0.55		
	Throw,ft														150			150	145		
	NC														54			56	49		
9,000	Ps																	1.10	0.69		
	Throw,ft																	160	155		
	NC																	59	52		
10,000	Ps																			0.83	
	Throw,ft																			170	
	NC																			55	
11,000	Ps																			0.97	
	Throw,ft																			180	
	NC																			58	
12,000	Ps																			1.10	
	Throw,ft																			198	
	NC																			60	

Ps - Static Pressure Drop, Inches W.G., values listed for nozzles set at 0 degrees.

Multiply Pd by 1.2 for 15 degree angle, by 1.4 for 30 degree angle.

Throw - Distance in feet to terminal velocity of 50 FPM, isothermal air, 0 degree deflection, horizontal throw.

NC - Noise Criteria with room attenuation of 10 db.



**KEES INCORPORATED**  
 400 S. Industrial Dr. • P.O. Box L  
 Elkhart Lake, WI 53020

Phone: (920) 876-3391  
 Fax: (920) 876-3065  
 Website: www.kees.com