



MODEL SLS - 3700

LINEAR SLOT DIFFUSERS PERFORMANCE DATA

No. Of Slots	THROW DIRECTION	AREA FACTOR AK (Ft²) per Meter of Length	FACE VELOCITY (FPM)	500	700	900	1100	1300	1500	1700	1900	2100	2300
1	VERTICAL	0.069 FT²	AIRFLOW (CFM/M)	35	48	62	76	90	104	117	131	145	159
			SP (Inch. Wg)	0.020	0.037	0.061	0.091	0.127	0.169	0.217	0.271	0.331	0.397
			NC	<15	<15	<15	<15	15	18	21	25	28	31
			Throw(Ft)@50,100,150Fpm	12,7,3	14,8,4	15,8,5	16,8,5	17,9,6	18,10,7	18,10,7	19,11,8	19,11,8	20,12,9
	ANGULAR	0.062 FT²	AIRFLOW (CFM/M)	31	43	56	68	81	93	105	118	130	143
			SP (Inch. Wg)	0.018	0.034	0.058	0.087	0.122	0.162	0.208	0.260	0.318	0.381
			NC	<15	<15	<15	15	19	25	29	33	36	40
			Throw(Ft)@50,100,150Fpm	12,6,4	13,7,5	14,8,5	15,8,6	16,9,6	17,10,7	18,10,8	19,11,8	19,12,9	20,12,9
2	VERTICAL	0.141 FT²	AIRFLOW (CFM/M)	71	99	127	155	183	212	240	268	296	324
			SP (Inch. Wg)	0.020	0.040	0.066	0.099	0.138	0.184	0.236	0.295	0.360	0.432
			NC	<15	<15	<15	17	21	25	29	33	36	38
			Throw(Ft)@50,100,150Fpm	12,5,2	14,6,3	15,7,3	16,7,3	17,8,4	18,9,5	19,10,6	20,10,7	20,11,8	21,12,9
	ANGULAR	0.125 FT²	AIRFLOW (CFM/M)	63	88	113	138	163	188	213	238	263	288
			SP (Inch. Wg)	0.022	0.043	0.071	0.106	0.148	0.197	0.253	0.316	0.386	0.463
			NC	<15	<15	18	21	25	30	34	37	40	42
			Throw(Ft)@50,100,150Fpm	13,5,3	15,6,4	16,7,4	17,8,4	18,8,5	19,9,5	20,10,6	20,11,6	21,11,7	22,12,8
3	VERTICAL	0.187FT²	AIRFLOW (CFM/M)	94	131	168	206	243	281	318	355	393	430
			SP (Inch. Wg)	0.020	0.039	0.064	0.096	0.134	0.178	0.229	0.286	0.349	0.419
			NC	<15	<15	<15	18	23	26	30	34	38	41
			Throw(Ft)@50,100,150Fpm	9,4,2	11,5,3	12,6,3	13,7,4	14,7,5	15,8,6	16,9,7	17,10,7	18,11,8	19,12,9
	ANGULAR	0.161 FT²	AIRFLOW (CFM/M)	81	113	145	177	209	242	274	306	338	370
			SP (Inch. Wg)	0.022	0.043	0.071	0.106	0.148	0.197	0.253	0.316	0.386	0.463
			NC	<15	15	18	20	23	30	34	38	42	45
			Throw(Ft)@50,100,150Fpm	11,5,3	12,6,3	13,7,4	14,7,4	15,8,4	15,8,5	16,9,6	17,10,6	18,11,8	19,12,9
4	VERTICAL	0.223 FT²	AIRFLOW (CFM/M)	112	156	201	245	290	335	379	424	468	513
			SP (Inch. Wg)	0.023	0.044	0.072	0.108	0.151	0.201	0.258	0.322	0.393	0.471
			NC	<15	<15	<15	18	22	27	32	36	40	44
			Throw(Ft)@50,100,150Fpm	14,3,2	20,8,5	12,6,3	13,7,4	14,7,5	15,8,5	16,9,6	17,10,7	19,11,9	20,12,10
	ANGULAR	0.190 FT²	AIRFLOW (CFM/M)	95	133	171	209	247	285	323	361	399	437
			SP (Inch. Wg)	0.017	0.033	0.054	0.081	0.113	0.150	0.193	0.241	0.294	0.353
			NC	<15	<15	15	19	22	30	35	39	43	46
			Throw(Ft)@50,100,150Fpm	10,4,2	11,5,3	12,6,3	13,7,4	15,8,4	16,9,5	17,9,6	18,10,7	18,11,8	19,12,9
5	VERTICAL	0.259 FT²	AIRFLOW (CFM/M)	130	181	233	285	337	389	440	492	544	596
			SP (Inch. Wg)	0.029	0.057	0.094	0.140	0.196	0.261	0.335	0.418	0.511	0.613
			NC	<15	<15	15	19	23	28	33	37	41	45
			Throw(Ft)@50,100,150Fpm	8,4,2	9,5,3	10,6,3	11,7,3	12,7,4	13,8,5	15,9,6	16,10,7	17,11,8	18,12,9
	ANGULAR	0.213 FT²	AIRFLOW (CFM/M)	107	149	192	234	277	320	362	405	447	490
			SP (Inch. Wg)	0.031	0.060	0.100	0.149	0.208	0.277	0.356	0.445	0.544	0.653
			NC	<15	<15	<15	17	23	29	35	39	43	46
			Throw(Ft)@50,100,150Fpm	8,4,2	9,5,3	10,6,3	11,7,4	11,7,4	12,8,5	13,8,5	14,9,6	15,10,7	17,11,8



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6	VERTICAL	0.299 FT²	AIRFLOW (CFM/M)	150	209	269	329	389	449	508	568	628	688
			SP (Inch. Wg)	0.044	0.086	0.142	0.212	0.296	0.394	0.506	0.632	0.772	0.926
			NC	<15	<15	<15	19	24	30	36	40	44	49
			Throw(Ft)@50,100,150Fpm	9,4,2	10,5,3	11,6,3	12,7,4	13,8,5	14,8,6	15,9,6	16,10,7	18,11,9	19,13,10
	ANGULAR	0.236 FT²	AIRFLOW (CFM/M)	118	165	212	260	307	354	401	448	496	543
			SP (Inch. Wg)	0.039	0.076	0.125	0.187	0.261	0.347	0.446	0.557	0.680	0.816
			NC	<15	<15	<15	18	22	26	35	40	44	48
			Throw(Ft)@50,100,150Fpm	8,4,2	9,5,3	10,6,3	11,6,4	12,7,4	13,8,5	14,9,6	16,10,7	17,11,7	18,11,8

NOTES:

- 1- Performance Data is Based on ASHREA 70-91
- 2- CFM: Standard air density and ISOTHERMAL conditions.
- 3- AIRFLOW: based on CFM per Linear Meter of Grille
- 4- static pressure (SP): Inches of Water Gauge
- 5- Face Velocity: Face discharge velocity in feet per minute (fpm)
- 6- Noise Criteria: NC Level is based on room attenuaion of 10db (sound power level Re: 10-12Watts)
- 7- Throw: Projection distance in FEET from diffuser discharge at which the maximum velocity has been reduced to specifyied terminal velocity (Vt). Data show are for 50,100,150 Terminal velocity (fpm)
- 8- Vertical Throw: tested as diffuser installed in wall throwing horizontaly in the room 
- 9- Angular Throw: tested as diffuser installed in Ceiling throwing in the room 