

SERIES L PERFORMANCE DATA

MODELS L, S, LT, ST, LTC, LTC3, LS4, LV, SH, LTV, STH
LM, SM, LTM, STM, LTCM, LTC3M, LMH, LTMH, LS3M, LS4M

Size		Nk Vel	100	150	200	250	300	350	400
06x04	Ac ft ² 0.17	CFM	17	25	34	42	50	58	67
		Ps	.006	.013	.024	.037	.053	.072	.093
		NC	-	-	-	13	18	22	26
	Throw		4-4-3-3	7-6-5-5	9-8-7-6	11-10-8-8	13-12-10-9	15-14-12-11	18-15-13-12
06x06	Ac ft ² 0.25	CFM	25	38	50	63	75	88	100
		Ps	.005	.011	.020	.031	.045	.062	.081
		NC	-	-	-	13	18	22	25
	Throw		6-6-5-4	10-8-7-7	13-11-10-9	16-14-12-11	19-17-14-13	22-19-17-16	25-22-19-18
08x08 10x06 12x05	Ac ft ² 0.42	CFM	45	67	89	112	134	156	178
		Ps	.004	.010	.018	.028	.040	.054	.070
		NC	-	-	-	13	18	22	25
	Throw		7-6-5-5	11-10-8-8	14-13-11-10	18-16-14-13	22-19-16-15	25-22-19-18	29-25-22-20
12x06	Ac ft ² 0.50	CFM	50	75	100	125	150	175	200
		Ps	.004	.010	.018	.027	.039	.054	.070
		NC	-	-	-	13	18	22	26
	Throw		7-6-5-5	10-9-7-7	13-12-10-9	16-14-12-12	20-17-15-16	23-20-17-16	26-23-20-18
10x08 14x06	Ac ft ² 0.56	CFM	56	84	111	139	167	194	222
		Ps	.004	.010	.017	.028	.038	.051	.067
		NC	-	-	-	13	18	22	25
	Throw		7-6-5-5	10-9-8-7	14-12-10-10	17-15-13-12	20-18-15-14	24-21-18-17	27-24-20-19
10x10 12x08 16x06	Ac ft ² 0.69	CFM	70	104	139	174	209	243	278
		Ps	.004	.009	.016	.025	.036	.049	.065
		NC	-	-	-	13	18	22	26
	Throw		8-7-6-6	12-11-9-8	16-14-12-11	20-18-15-14	24-21-18-17	28-25-21-20	32-28-24-22
14x08 18x06	Ac ft ² 0.77	CFM	78	117	156	195	233	272	311
		Ps	.004	.009	.016	.025	.036	.049	.064
		NC	-	-	-	14	18	22	26
	Throw		8-7-6-5	12-10-9-8	16-14-12-11	20-17-15-14	23-20-18-16	27-24-20-19	31-27-23-22
12x10 20x06	Ac ft ² 0.83	CFM	83	125	166	208	250	291	333
		Ps	.004	.009	.016	.024	.035	.048	.063
		NC	-	-	-	14	18	22	26
	Throw		8-7-6-6	12-10-9-8	16-14-12-11	20-17-15-14	24-21-18-17	28-24-21-20	32-28-24-22

CONTINUED

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Size		Nk Vel	100	150	200	250	300	350	400
16x08 22x06	Ac ft ² 0.89	CFM	89	134	178	223	267	312	356
		Ps	.004	.009	.016	.025	.036	.049	.063
		NC	-	-	-	14	19	23	26
		Throw	9-7-6-6	12-11-9-8	17-14-12-11	21-18-15-14	25-22-19-17	29-25-22-20	33-29-25-23
14x10 28x05	Ac ft ² 0.97	CFM	97	146	194	243	292	340	389
		Ps	.004	.009	.015	.024	.035	.047	.062
		NC	-	-	-	14	19	23	26
		Throw	8-7-6-5	13-11-10-9	17-15-13-12	21-19-16-15	26-22-19-18	30-26-22-21	34-30-26-24
12x12 24x06 18x08	Ac ft ² 1.00	CFM	100	150	200	250	300	350	400
		Ps	9-8-7-6	13-11-10-9	18-15-13-12	22-19-16-15	26-23-20-18	31-27-23-21	35-31-26-25
		NC	-	-	-	14	19	23	26
		Throw	9-8-7-6	13-11-10-9	18-15-13-12	22-19-16-15	26-23-20-18	31-27-13-21	35-31-26-25
30x06 18x10	Ac ft ² 1.25	CFM	125	188	250	313	375	438	500
		Ps	.004	.008	.015	.023	.034	.046	.060
		NC	-	-	-	14	19	23	27
		Throw	9-8-7-6	14-12-11-10	19-17-14-13	24-21-18-17	28-25-21-20	33-29-25-23	38-33-28-26
14x14	Ac ft ² 1.36	CFM	136	204	272	241	409	477	545
		Ps	.004	.008	.015	.023	.033	.045	.059
		NC	-	-	-	15	19	23	27
		Throw	9-8-7-6	14-12-11-10	19-17-14-13	24-21-18-17	28-25-21-20	33-29-25-23	38-33-28-27
36x06 18x12	Ac ft ² 1.50	CFM	150	225	300	375	450	525	600
		Ps	.004	.008	.015	.023	.033	.045	.059
		NC	-	-	-	15	19	23	27
		Throw	10-9-8-7	15-13-11-10	20-18-15-14	25-22-19-18	30-27-23-21	36-31-27-25	41-36-30-28

CONTINUED

PERFORMANCE NOTES FOR SERIES L

All data is tested in accordance with ANSI/ASHRAE 70-2006.

DEFINITION OF UNITS

CFM Cubic Feet per Minute (air)

fpm Velocity of air stream in Feet per Minute

Ps Static pressure = $P_t - P_v$ (inches of water column)

Throw Throw distance in feet are for terminal velocities of 50 fpm for 1W, 2W, 3W & 4W air flow

Nk Vel Neck Velocity is the airstream velocity in the duct just before it reaches the supply outlet; measured in feet per minute

NC Noise Criteria based on a room absorption of 10 dB, re: 10^{-12} watts [NC less than 10 (-)]

Ac Actual Core Free Area in square feet

SERIES L PERFORMANCE DATA

MODELS L, S, LT, ST, LTC, LTC3, LS4, LV, SH, LTV, STH
LM, SM, LTM, STM, LTCM, LTC3M, LMH, LTMH, LS3M, LS4M

Size		Nk Vel	100	150	200	250	300	350	400
22x10	Ac ft ² 1.53	CFM	153	230	306	383	459	536	612
		Ps	.004	.008	.015	.023	.033	.045	.059
		NC	-	-	-	15	20	24	27
	Throw		10-9-8-7	15-13-12-11	21-18-15-14	26-22-19-18	31-27-23-22	36-31-27-25	41-36-31-29
30x08 24x10	Ac ft ² 1.67	CFM	166	249	333	416	499	583	666
		Ps	.004	.008	.015	.024	.034	.046	.060
		NC	-	-	-	15	20	24	28
	Throw		11-9-8-7	16-14-12-11	21-19-16-15	27-23-20-19	32-28-24-23	38-33-28-26	43-38-32-30
16x16	Ac ft ² 1.78	CFM	178	267	356	445	533	622	711
		Ps	.004	.008	.014	.022	.032	.044	.057
		NC	-	-	-	15	20	24	27
	Throw		10-9-8-7	15-13-11-10	20-18-15-14	25-22-19-18	31-27-23-21	36-31-27-25	41-36-30-28
24x12 36x08 48x06	Ac ft ² 2.00	CFM	200	300	400	500	600	700	800
		Ps	.004	.008	.014	.022	.032	.044	.057
		NC	-	-	-	15	20	24	27
	Throw		11-10-9-8	17-15-13-12	23-20-17-16	29-25-21-20	34-30-26-24	40-35-30-28	46-40-34-32
18x18	Ac ft ² 2.25	CFM	224	337	449	562	675	787	900
		Ps	.003	.008	.014	.022	.031	.043	.056
		NC	-	-	-	15	20	24	28
	Throw		11-9-8-7	16-14-12-11	22-19-16-15	27-24-20-19	32-28-24-23	38-33-28-27	43-38-32-30
30x12 36x10	Ac ft ² 2.50	CFM	250	375	500	625	750	875	1000
		Ps	.004	.008	.014	.022	.032	.043	.057
		NC	-	-	-	16	21	25	28
	Throw		13-11-9-9	19-17-14-13	25-22-19-18	31-28-24-22	38-33-28-26	44-39-33-31	50-44-38-35
20x20	Ac ft ² 2.78	CFM	278	417	555	694	833	971	1110
		Ps	.003	.008	.014	.021	.031	.042	.055
		NC	-	-	-	16	21	25	28
	Throw		11-10-9-8	17-15-13-12	23-20-17-16	29-25-21-20	34-30-26-24	40-35-30-28	46-40-34-32
24x18 36x12	Ac ft ² 3.00	CFM	300	450	600	750	900	1050	1200
		Ps	.003	.008	.014	.021	.031	.042	.055
		NC	-	-	-	16	21	25	28
	Throw		14-12-10-9	20-16-15-14	27-24-20-19	34-30-25-24	41-35-30-28	47-41-35-33	54-47-41-38

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Size		Nk Vel	100	150	200	250	300	350	400
22x22 24x20 48x10	Ac ft ² 3.36	CFM	336	504	672	841	1009	1177	1345
		Ps	.003	.008	.014	.021	.031	.042	.054
		NC	-	-	11	16	21	25	28
	Throw		12-11-9-8	18-16-14-13	24-21-18-17	30-26-23-21	36-32-27-25	42-37-32-30	48-42-36-34
24x24 36x16 48x12	Ac ft ² 4.00	CFM	400	600	800	1000	1200	1400	1600
		Ps	.003	.008	.003	.021	.030	.041	.054
		NC	-	-	11	17	21	25	29
	Throw		13-11-10-9	19-17-14-13	25-22-19-18	32-28-24-22	38-33-29-27	44-39-33-31	51-44-38-35
30x24 36x20	Ac ft ² 5.00	CFM	500	750	1000	1250	1500	1750	2000
		Ps	.003	.007	.013	.021	.030	.041	.053
		NC	-	-	12	17	23	26	29
	Throw		17-15-13-12	25-22-19-18	34-29-25-23	42-37-31-29	50-44-38-35	59-51-44-41	67-59-50-47
28x28	Ac ft ² 5.44	CFM	546	818	1091	1363	1635	1908	2180
		Ps	.003	.007	.013	.021	.030	.040	.053
		NC	-	-	12	18	22	26	30
	Throw		14-12-10-10	21-18-16-15	28-24-21-19	35-30-26-24	41-36-31-29	48-42-36-34	55-48-41-39
36x30	Ac ft ² 7.50	CFM	752	1127	1501	1876	2251	2625	3000
		Ps	.003	.007	.013	.020	.029	.040	.052
		NC	-	-	13	18	25	27	30
	Throw		19-17-14-13	30-26-22-21	40-35-30-28	50-44-37-35	60-52-45-42	70-61-52-49	80-70-60-56
36x32 48x24 34x34	Ac ft ² 8.00	CFM	800	1200	1600	2000	2400	2800	3200
		Ps	.003	.007	.013	.020	.029	.040	.052
		NC	-	-	13	19	23	27	31
	Throw		19-17-14-13	31-17-23-22	41-36-31-29	51-45-38-36	62-54-46-43	72-63-54-50	82-72-62-57

CONTINUED

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Size		Nk Vel	100	200	300	400	500	600	700
36x36	Ac ft ² 9.00	CFM	900	1350	1800	2250	2700	3150	3600
		Ps	.003	.007	.013	.020	.029	.039	.051
		NC	-	-	13	19	23	27	31
	Throw		14-12-11-10	24-21-18-17	32-28-24-22	40-35-30-28	48-42-36-33	56-49-42-39	64-56-48-45
38x38	Ac ft ² 10.02	CFM	1000	1502	2003	2505	3007	3508	4010
		Ps	.003	.007	.013	.020	.029	.039	.051
		NC	-	-	13	19	24	28	31
	Throw		14-12-10-10	25-22-18-17	33-29-25-23	41-36-31-29	49-43-37-34	57-50-43-40	66-57-49-46
40x40	Ac ft ² 11.11	CFM	1110	1665	2220	2775	3330	3885	4440
		Ps	.003	.007	.013	.020	.029	.039	.051
		NC	-	-	14	19	24	28	31
	Throw		14-12-10-10	25-22-19-18	34-30-25-24	42-37-32-30	51-44-38-35	59-52-44-41	68-59-51-47
48x36	Ac ft ² 12.00	CFM	1200	1800	2400	3000	3600	4200	4800
		Ps	.003	.007	.013	.020	.029	.039	.051
		NC	-	-	14	20	24	28	32
	Throw		19-17-14-13	37-32-27-26	49-43-37-34	61-53-46-43	73-64-55-51	85-75-64-60	97-85-73-68
48x42	Ac ft ² 14.00	CFM	1400	2100	2800	3500	4200	4800	5600
		Ps	.003	.007	.013	.020	.029	.039	.051
		NC	-	-	14	20	25	29	32
	Throw		19-17-14-13	39-34-29-27	52-46-39-36	65-57-49-46	78-68-59-55	91-80-68-64	104-91-78-73
48x48	Ac ft ² 16.00	CFM	1600	2400	3200	4000	4800	5600	6400
		Ps	.003	.007	.013	.020	.028	.039	.050
		NC	-	-	15	20	25	29	32
	Throw		13-11-10-9	28-25-21-20	38-33-28-26	47-41-35-33	56-49-42-39	66-58-48-46	75-66-56-53

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