

Performance Data

Models 92LFD-AL, 92LFD, 92LFD-SS

Imperial Units

6" (152 mm) dia. Inlet

Module Size	Airflow, CFM	80	100	120	140	160	180	200	220	240
24" x 24" or 600 mm x 600 mm	Total Pressure, Pt	0.047	0.067	0.097	0.131	0.172	0.218	0.269	0.325	0.387
	Static Pressure, Ps	0.036	0.051	0.073	0.100	0.130	0.165	0.204	0.247	0.294
	NC	22	26	30	35	38	41	43	45	47
	Throw, T	.5-1-1	.5-1-2	.5-1-3	1-1.5-4	1.5-2-4	1.5-2.5-5	2-3.5-6	2.5-4-6	3-4.5-7
36" x 24" or 900 mm x 600 mm	Total Pressure, Pt	0.036	0.056	0.081	0.111	0.144	0.183	0.226	0.273	0.325
	Static Pressure, Ps	0.026	0.040	0.058	0.079	0.103	0.130	0.161	0.195	0.232
	NC	23	27	31	34	37	40	42	44	46
	Throw, T	0-1-1	0-1-1.5	0-1-2	0-1-3	1-2-3.5	1-2-4.5	2-3-5	2-3-5.5	2-3.5-6

8" (203 mm) dia. Inlet

Module Size	Airflow, CFM	100	120	140	160	180	200	220	240	260	280	300
48" x 12" or 1200 mm x 300 mm	Total Pressure	.030	.043	.058	.076	.096	.119	.144	.172	.201	.233	.268
	NC	—	17	19	22	25	27	29	31	34	35	37
	Throw	.5-1-2	.5-1-3	1-1.5-4	1.5-2-4	1.5-2.5-5	2-3.5-5	2.5-4-6	3-4.5-7	3-4.5-7.5	4-5.5-8	4.5-6-9
60" x 12" or 1500 mm x 300 mm	Total Pressure	.028	.040	.055	.072	.091	.112	.136	.161	.189	.220	.252
	NC	—	16	18	21	24	25	28	30	33	34	36
	Throw	.5-1-2	1-1-3	1-1.5-4	1-2-4	1-2.5-4.5	2-3.5-5	2-4-5.5	3-4-6.5	3-5-7	4-5-8	4-6-8.5
72" x 12" or 1800 mm x 300 mm	Total Pressure	.026	.037	.050	.066	.083	.103	.125	.148	.174	.202	.232
	NC	—	16	18	21	23	26	27	30	32	33	35
	Throw	.5-1-2	1-1-3	1-1.5-4	1-2-4	1-2.5-4.5	2-3.5-5	2-4-5.5	3-4-6.5	3-4.5-7	4-5-8	4-6-8.5

Module Size	Airflow, CFM	100	120	140	160	180	200	220	240	260	280	300
24" x 24" or 600 mm x 600 mm	Total Pressure	.030	.043	.058	.076	.096	.119	.144	.172	.201	.233	.268
	NC	—	17	19	22	25	27	29	31	34	35	37
	Throw	.5-1-2	.5-1-3	1-1.5-4	1.5-2-4	1.5-2.5-5	2-3.5-6	2.5-4-6	3-4.5-7	3-4.5-7.5	4-5.5-8	4.5-6-9
36" x 24" or 900 mm x 600 mm	Total Pressure	.026	.037	.050	.066	.083	.103	.125	.148	.174	.202	.232
	NC	—	15	18	21	24	26	28	30	33	34	36
	Throw	0-1-1.5	0-1-2	0-1-3	1-2-3.5	1-2-4.5	2-3-5	2-3-5.5	2-3.5-6	2.5-4.5-7	3-5-8	3-5-8
48" x 24" or 1200 mm x 600 mm	Total Pressure	.023	.034	.046	.060	.075	.093	.113	.134	.158	.183	.210
	NC	—	—	17	20	23	25	27	30	32	33	35
	Throw	0-5-1.5	.5-1-2	.5-1-2.5	1-1.5-3	1-2-4	1-2-5	1.5-2.5-5	2-3-6	2-4-6.5	2-4.5-7	3-5-7

10" (254 mm) dia. Inlet

Module Size	Airflow, CFM	160	180	200	220	240	260	280	300	320	340	360
48" x 24" or 1200 mm x 600 mm	Total Pressure	.022	.028	.035	.042	.050	.059	.069	.079	.090	.113	.140
	NC	—	15	18	19	22	25	27	29	31	33	35
	Throw	1-1-3	1-2-4	1-2-5	1.5-2.5-5	2-3-6	2-4-6.5	2-4.5-7	3-5-7	3-5-8	4-6-8.5	5-7-9
60" x 24" or 1500 mm x 600 mm	Total Pressure	.021	.027	.033	.040	.048	.056	.065	.074	.084	.107	.132
	NC	—	—	17	19	22	24	27	29	31	33	35
	Throw	1-1-3	1-2-4	1-2-5	1.5-2.5-5	2-3-6	2-4-6.5	2-4.5-7	3-5-7	3-5-8	4-6-8.5	5-7-9
72" x 24" or 1800 mm x 600 mm	Total Pressure	.021	.027	.033	.036	.043	.050	.058	.066	.076	.096	.118
	NC	—	—	17	19	22	24	27	29	31	32	34
	Throw	1-1-3	1-1-4	1-2-4.5	1-2-5	1.5-2.5-6	2-3-6	2-4-7	2.5-4-7	3-4.5-7.5	3.5-5-8	4.5-6-9

12" (305 mm) dia. Inlet

Module Size	Airflow, CFM	230	260	290	315	345	375	400	430	460	490	520
48" x 24" or 1200 mm x 600 mm	Total Pressure	.036	.046	.057	.068	.081	.096	.109	.126	.144	.163	.184
	NC	15	18	21	22	25	28	30	32	35	38	42
	Throw	1-2-6	1.5-3-6.5	2-4-7	3-5-8	4-5.5-8	4.5-6-8.5	5-7-9.5	5.5-7.5-10	6-8-11	6.5-8.5-11.5	7-9-12
60" x 24" or 1500 mm x 600 mm	Total Pressure	.031	.040	.049	.058	.070	.083	.094	.108	.124	.141	.159
	NC	15	18	21	22	25	28	30	32	35	38	42
	Throw	1-2-6	2-3-6	2-4-7	3-5-8	4-5.5-7.5	4.5-6-8.5	5-6.5-9	5.5-7.5-9.5	6-8-10.5	6-8.5-11	6.5-8.5-11.5
72" x 24" or 1800 mm x 600 mm	Total Pressure	.028	.036	.045	.053	.063	.075	.085	.099	.113	.128	.144
	NC	14	17	20	21	24	27	29	31	34	37	41
	Throw	1-2-5	1.5-2.5-6	2-4-6.5	3-4.5-7	4-5-7	4-5.5-8	5-6-8.5	5-7-9	5.5-7.5-10	6-8-10.5	6-8-11

CFM - cubic feet per minute

FPM - feet per minute velocity

TP - total pressure - inches w.g.

T - throw in feet

NC - Noise Criteria (values) based on 10 dB room absorption, re 10⁻¹² watts. Damper fully open.

Performance Notes:

1. Throws are the average vertical distance in feet to terminal velocities of 100, 75 and 50 fpm. Based upon a cooling ΔT of 10°F. 9 ft. ceiling.
2. Data derived from tests conducted in accordance with ANSI/ASHRAE Standard 70 – 1991.