

DLS Performance Data



Size	Nk Vel	300	400	500	600	700	800	900	1000
	Pv	0.006	0.010	0.016	0.022	0.031	0.04	0.050	0.062
09x06	CFM	113	150	188	225	263	300	338	375
	Pt	0.042	0.075	0.116	0.168	0.228	0.298	0.376	0.465
	Throws	6-20	9-27	11-32	14-35	16-38	18-40	20-42	22-45
	NC	-	-	13	19	25	30	34	38
12x06	CFM	150	200	250	300	350	400	450	500
	Pt	0.038	0.068	0.106	0.152	0.207	0.271	0.341	0.422
	Throws	9-24	11-30	15-36	17-39	21-42	23-45	24-47	27-50
	NC	-	-	13	19	25	30	34	38
15x06	CFM	188	250	313	375	438	500	563	625
	Pt	0.037	0.063	0.098	0.141	0.192	0.250	0.317	0.391
	Throws	11-29	14-35	18-40	22-44	26-47	28-51	29-53	32-57
	NC	-	-	14	20	26	31	35	39
18x06	CFM	225	300	375	450	525	600	675	750
	Pt	0.033	0.059	0.092	0.133	0.180	0.236	0.299	0.369
	Throws	14-34	17-40	22-45	26-48	30-52	33-56	34-59	36-63
	NC	-	-	15	21	17	31	36	39
24x06	CFM	300	400	500	600	700	800	900	1000
	Pt	0.030	0.053	0.083	0.120	0.164	0.213	0.271	0.334
	Throws	17-39	23-45	28-51	32-56	35-60	36-64	40-68	41-72
	NC	-	-	14	20	25	30	35	38
30x06	CFM	375	500	625	750	875	1000	1125	1250
	Pt	0.028	0.049	0.078	0.112	0.151	0.198	0.251	0.309
	Throws	21-45	28-51	33-57	36-63	39-68	41-72	45-76	46-81
	NC	-	-	14	20	25	30	34	38
36x06	CFM	450	600	750	900	1050	1200	1350	1500
	Pt	0.026	0.047	0.073	0.105	0.143	0.186	0.236	0.291
	Throws	26-50	33-58	36-64	40-71	44-76	47-82	51-87	52-90
	NC	-	-	16	22	27	32	36	40
48x06	CFM	1000	1334	1667	2000	2334	2667	3000	3334
	Pt	0.024	0.043	0.066	0.095	0.129	0.169	0.214	0.264
	Throws	30-54	36-65	41-71	45-80	48-84	53-92	57-98	59-101
	NC	-	11	17	24	29	34	38	42

DLS Performance Data



Size	Nk Vel	300	400	500	600	700	800	900	1000
	Pv	0.006	0.010	0.016	0.022	0.031	0.04	0.050	0.062
20x10	CFM	417	556	695	834	973	1112	1250	1389
	Pt	0.026	0.047	0.074	0.107	0.145	0.189	0.240	0.292
	Throws	22-46	30-53	34-59	38-64	40-70	44-75	46-78	48-83
	NC	-	-	16	22	27	32	36	40
30x10	CFM	625	834	1042	1250	1459	1667	1875	2084
	Pt	0.023	0.042	0.065	0.094	0.128	0.167	0.211	0.261
	Throws	28-54	35-63	40-70	23-77	28-83	52-88	54-93	57-99
	NC	-	10	17	23	28	30	38	41
40x10	CFM	834	1112	1389	1667	1945	2223	2500	2778
	Pt	0.021	0.037	0.058	0.083	0.114	0.149	0.188	0.233
	Throws	34-63	41-72	46-81	52-90	57-96	60-101	63-107	65-114
	NC	-	11	18	24	29	32	39	42
20x12	CFM	500	667	834	1000	1167	1334	1500	1667
	Pt	0.024	0.043	0.066	0.095	0.129	0.169	0.214	0.264
	Throws	27-50	33-58	38-64	41-70	44-76	47-81	50-86	52-90
	NC	-	-	16	23	38	33	37	41
30x12	CFM	750	1000	1250	1500	1750	2000	2250	2500
	Pt	0.022	0.039	0.061	0.088	0.120	0.157	0.199	0.244
	Throws	34-60	40-70	45-77	48-84	52-92	57-98	59-104	62-110
	NC	-	11	18	24	29	34	38	42
40x12	CFM	1000	1334	1667	2000	2334	2667	3000	3334
	Pt	0.019	0.035	0.054	0.079	0.108	0.140	0.178	0.219
	Throws	40-70	47-81	52-90	57-99	62-106	66-113	70-120	74-128
	NC	-	12	19	25	31	35	40	43
15X15	CFM	469	625	782	938	1094	1250	1407	1563
	Pt	0.024	0.044	0.068	0.097	0.133	0.173	0.219	0.271
	Throws	23-48	30-56	36-63	40-69	42-74	46-78	48-83	51-88
	NC	-	-	16	23	28	33	37	41
20X15	CFM	625	834	1042	1250	1459	1667	1875	2084
	Pt	0.021	0.042	0.064	0.092	0.127	0.165	0.210	0.257
	Throws	28-56	35-64	41-72	46-80	50-86	53-92	56-96	59-102
	NC	-	10	17	24	29	33	37	42
30X15	CFM	938	1250	1563	1875	2188	2500	2813	3125
	Pt	0.020	0.037	0.057	0.081	0.112	0.146	0.184	0.227
	Throws	33-63	40-72	47-82	53-90	57-98	60-105	63-110	68-117
	NC	-	11	18	25	30	34	38	43
35X15	CFM	1094	1459	1823	2188	2553	2917	3282	3646
	Pt	0.019	0.034	0.053	0.077	0.105	0.137	0.173	0.213
	Throws	39-70	46-81	19-92	59-101	64-110	68-118	71-123	76-131
	NC	-	12	19	26	30	35	39	43
40X15	CFM	1250	1667	2084	2500	2917	3334	3750	4167
	Pt	0.030	0.053	0.083	0.120	0.164	0.213	0.271	0.334
	Throws	17-39	23-45	28-51	32-56	35-60	36-64	40-68	41-72
	NC	-	-	14	20	25	30	35	38

DLS Performance Data



Data based on units tested at 0° Blade Deflection. See chart below for other Blade Deflections.

Deflection	NC	Throws	Pt
15°	+4	x .85	x 1.2
30°	+8	x .69	x 1.8

PERFORMANCE NOTES FOR SERIES DLS

All Data was tested in accordance with ANSI/ASHRAE 70-2006

DEFINITION OF UNITS:

- CFM Air volume is cubic feet per minute
- 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 les than 10 (-)]
- Throw Throw distance in feet are for terminal velocities of 150 and 50 fpm respectively
- Ps Static pressure is in inches of water