

# PERFORMANCE DATA

## 150/250 LONG THROW

Nom. Duct Size (in.)	Nom. Duct Area (ft <sup>2</sup> )	Core Area (ft <sup>2</sup> )	Core Vel.	NC 20				NC 30		NC 40		
				300	400	500	600	700	800	1000	1200	1400
				Vel. Press.	0.006	0.010	0.016	0.022	0.031	0.040	0.062	0.090
			0°	0.010	0.017	0.026	0.038	0.052	0.068	0.106	0.153	0.208
			Total 22.5°	0.011	0.019	0.030	0.043	0.058	0.076	0.118	0.171	0.232
			Press. 45°	0.016	0.029	0.045	0.065	0.089	0.116	0.181	0.260	0.354
6x6	0.25	0.19	CFM	57	76	95	114	133	152	190	228	266
			NC	-	-	-	11	15	19	26	31	36
			0°	5-7-14	7-10-16	8-12-18	10-14-20	12-15-21	13-16-23	15-18-25	16-20-28	17-21-30
			Throw 22.5°	4-6-11	5-8-12	6-10-14	8-11-15	9-12-16	10-12-18	11-14-20	12-15-22	13-16-23
			45°	2-3-6	3-4-7	4-6-8	4-6-9	5-7-10	6-7-10	7-8-11	7-9-12	8-10-13
8x6	0.33	0.26	CFM	78	104	130	156	182	208	260	312	364
			NC	-	-	-	12	16	20	27	33	37
			0°	5-9-16	8-12-19	10-14-21	12-16-23	13-18-25	15-19-27	17-21-30	19-23-32	20-25-35
			Throw 22.5°	4-7-13	6-9-15	7-11-16	9-13-18	10-14-19	12-15-21	13-16-23	15-18-25	16-19-27
			45°	2-4-7	3-5-8	4-6-9	5-7-10	6-8-11	7-8-12	8-9-13	8-10-15	9-11-16
10x6	0.42	0.34	CFM	102	136	170	204	238	272	340	408	476
			NC	-	-	-	13	18	22	28	34	38
			0°	6-10-19	9-13-21	11-17-24	13-19-26	15-20-28	18-21-30	20-24-34	21-26-37	23-28-40
			Throw 22.5°	5-8-14	7-10-17	9-13-19	10-14-20	12-16-22	14-17-23	15-19-26	17-20-29	18-22-31
			45°	3-4-8	4-6-10	5-7-11	6-8-12	7-9-13	8-10-14	9-11-15	10-12-17	10-13-18
8x8	0.44	0.37	CFM	111	148	185	222	259	296	370	444	518
			NC	-	-	-	13	18	22	29	34	39
			0°	6-10-19	9-14-22	11-17-25	14-19-27	16-21-30	18-22-32	20-25-35	22-27-39	24-30-42
			Throw 22.5°	5-8-15	7-11-17	9-13-19	11-15-21	12-16-23	14-17-25	16-19-27	17-21-30	19-23-32
			45°	3-5-9	4-6-10	5-8-11	6-9-12	7-9-13	8-10-14	9-11-16	10-12-17	11-13-19
12x6	0.50	0.41	CFM	123	164	205	246	287	328	410	492	574
			NC	-	-	-	14	18	22	29	34	39
			0°	7-11-20	10-15-24	12-18-26	15-20-29	17-22-31	19-24-33	21-26-37	24-29-41	25-31-44
			Throw 22.5°	5-8-16	7-11-18	9-14-20	11-16-22	13-17-24	15-18-26	17-20-29	18-22-32	20-24-34
			45°	3-5-9	4-7-11	5-8-12	7-9-13	8-10-14	9-11-15	10-12-17	11-13-18	11-14-20
14x6	0.58	0.48	CFM	144	192	240	288	336	384	480	576	672
			NC	-	-	-	14	19	23	30	35	40
			0°	7-12-22	10-16-25	13-20-28	16-22-31	18-24-34	21-25-36	23-28-40	25-31-44	28-34-48
			Throw 22.5°	6-9-17	8-12-20	10-15-22	12-17-24	14-18-26	16-20-28	18-22-31	20-24-34	21-26-37
			45°	3-5-10	5-7-11	6-9-13	7-10-14	8-11-15	9-11-16	10-13-18	11-14-20	12-15-21
16x6 12x8	0.67	0.57	CFM	171	228	285	342	399	456	570	684	798
			NC	-	-	-	15	20	24	30	36	40
			0°	8-13-24	11-17-28	14-21-31	17-24-34	20-26-37	23-28-39	25-31-44	28-34-48	30-37-52
			Throw 22.5°	6-10-19	9-13-22	11-17-24	13-19-26	15-20-28	18-22-30	20-24-34	22-26-37	23-28-40
			45°	4-6-11	5-8-12	6-10-14	8-11-15	9-12-17	10-12-18	11-14-20	12-15-22	13-17-23
10x10	0.69	0.59	CFM	177	236	295	354	413	472	590	708	826
			NC	-	-	-	15	20	24	31	36	41
			0°	8-13-24	12-17-28	14-22-32	17-24-35	20-26-37	23-28-40	26-32-45	28-35-49	31-37-53
			Throw 22.5°	6-10-19	9-13-22	11-17-24	13-19-27	16-20-29	18-22-31	20-24-35	22-27-38	24-29-41
			45°	4-6-11	5-8-13	7-10-14	8-11-16	9-12-17	10-13-18	12-14-20	13-16-22	14-17-24
18x6	0.75	0.63	CFM	189	252	315	378	441	504	630	756	882
			NC	-	-	-	16	20	24	31	36	41
			0°	8-13-25	12-18-29	15-22-33	18-25-36	21-27-39	24-29-41	27-33-46	29-36-51	32-39-55
			Throw 22.5°	6-10-20	9-14-23	12-17-25	14-20-28	16-21-30	18-23-32	21-25-36	23-28-39	24-30-42
			45°	4-6-11	5-8-13	7-10-15	8-11-16	9-12-17	11-13-19	12-15-21	13-16-23	14-17-25
20x6 12x10	0.83	0.72	CFM	216	288	360	432	504	576	720	864	1008
			NC	-	-	11	16	21	25	31	37	41
			0°	9-14-27	13-19-31	16-24-35	19-27-38	22-29-41	25-31-44	28-35-49	31-38-54	34-41-58
			Throw 22.5°	7-11-21	10-15-24	12-19-27	15-21-30	17-23-32	20-24-34	22-27-38	24-30-42	26-32-45
			45°	4-6-12	6-9-14	7-11-16	9-12-17	10-13-19	11-14-20	13-16-22	14-17-24	15-19-26
22x6	0.92	0.77	CFM	231	308	385	462	539	616	770	924	1078
			NC	-	-	11	16	21	25	32	37	42
			0°	9-15-28	13-20-32	17-25-36	20-28-40	23-30-43	26-32-46	29-36-51	32-40-56	35-43-60
			Throw 22.5°	7-12-22	10-15-25	13-19-28	15-22-31	18-23-33	20-25-35	23-28-40	25-31-43	27-33-47
			45°	4-7-13	6-9-15	7-11-16	9-13-18	10-14-19	12-15-21	13-16-23	15-18-25	16-19-27
24x6 18x8 12x12	1.00	0.88	CFM	264	352	440	528	616	704	880	1056	1232
			NC	-	-	11	17	22	26	32	38	42
			0°	10-16-30	14-21-34	18-27-39	21-30-42	25-32-46	28-34-49	31-39-55	34-42-60	37-46-65
			Throw 22.5°	8-12-23	11-16-27	14-21-30	16-23-33	19-25-35	22-27-38	24-30-42	27-33-46	29-35-50
			45°	4-7-13	6-10-16	8-12-17	10-13-19	11-15-21	13-16-22	14-17-25	16-19-27	17-21-29
30x6 18x10	1.25	1.11	CFM	333	444	555	666	777	888	1110	1332	1554
			NC	-	-	12	18	23	27	33	39	43
			0°	11-18-34	16-24-39	20-30-43	24-34-47	28-36-51	32-39-55	35-43-61	39-47-67	42-51-72
			Throw 22.5°	9-14-26	12-18-30	15-23-34	18-26-37	22-28-40	25-30-42	27-34-47	30-37-52	32-40-56
			45°	5-8-15	7-11-17	9-13-19	11-15-21	13-16-23	14-17-25	16-19-28	17-21-30	19-23-33