

Performance Data



903 Series

Duct Size	Core Eff. Area (ft ²)	Neck Velocity (FPM) Velocity Pressure	300 0.004	400 0.008	500 0.013	600 0.018	700 0.025	800 0.033	1000 0.051	1200 0.074	1400 0.1
6x4	0.111	CFM	33	44	55	66	77	89	111	133	155
		NC	<20	<20	<20	20	25	30	35	40	40
		Throw (ft.)	4 4.5 5.5	5 6 8	6 7 9	7 8 12	8 9 12	11 12 14	11 13 19	12 14 22	16 18 24
7x4	0.130	CFM	39	52	65	78	91	104	130	156	182
		NC	<20	<20	<20	20	25	30	35	40	40
		Throw (ft.)	4 5 6	6 6.5 8.5	7 8 10	8 9 13	9 10 13	12 13 15	12 14 21	14 16 24	17 20 26
6x5	0.141	CFM	42	56	71	85	99	113	141	169	197
		NC	<20	<20	<20	20	25	30	35	40	40
		Throw (ft.)	4 5 6	6 6.5 8.5	7 8 10	8 9 13	10 11 14	12 13 16	13 15 23	15 17 26	18 21 28
10x4	0.191	CFM	57	76	95	115	134	153	191	229	267
		NC	<20	<20	<20	20	25	30	35	40	45
		Throw (ft.)	5 5.5 6.5	6 7 9	8 9 11	9 10 14	11 12 16	12 13.5 18	14 16 24	16 18 28	19 22 32
8x6 12x4	0.237	CFM	71	95	118	142	166	189	237	284	331
		NC	<20	<20	<20	20	25	30	35	40	45
		Throw (ft.)	5 5.5 6.5	6 7 9	8 9 11	9 10 14	11 12 16	12 13.5 18	14 16 24	16 18 28	19 22 32
14x4	0.271	CFM	81	108	136	163	190	217	271	325	380
		NC	<20	<20	<20	20	25	30	35	40	45
		Throw (ft.)	5 6.5 7.5	7 8 10	10 11 13	11 12 16	13 14.5 20	14 16 22	16 19 29	19 22 34	22 26 40
10x6 16x4	0.311	CFM	93	125	156	187	218	249	311	374	436
		NC	<20	<20	<20	20	25	30	35	40	45
		Throw (ft.)	5 6.5 7.5	7 8 10	10 11 13	11 12 16	13 14.5 20	14 16 22	16 19 29	19 22 34	22 26 40
12x6 18x4	0.362	CFM	109	145	181	217	254	290	362	435	507
		NC	<20	<20	<20	20	25	30	35	40	45-50
		Throw (ft.)	6 7 8	8 9 11	10 11.5 14	12 13 18	14 16 21	16 18 24	18 21 32	22 26 38	25 30 44
10x8 14x6	0.425	CFM	128	170	213	255	298	340	425	510	595
		NC	<20	<20	<20	20	25	30	35	40	45-50
		Throw (ft.)	6 7.5 9	9 10 12	11 12 14.5	12 13.5 19	14 16 22	17 19 25	19 22 33	22 26 39	25 30 45
12x8 16x6	0.494	CFM	148	198	247	296	346	395	494	593	691
		NC	<20	<20	<20	20	25	30	35	40	45-50
		Throw (ft.)	7 8 10	9 10 12	11 12.5 16	13 14.5 20	15 17 23	17 20 26	19 22 34	23 27 40	26 31 46
10x10 18x6	0.517	CFM	155	207	258	310	362	413	517	620	723
		NC	<20	<20	<20	20	25	30	35	40	45-50
		Throw (ft.)	7 8 10	9 10 12	11 12.5 16	13 14.5 20	15 17 23	17 20 27	20 23 34	23 27 41	26 31 47
14x8	0.580	CFM	174	232	290	348	406	464	580	695	811
		NC	<20	<20	<20	20	25	30	35	40	45-50
		Throw (ft.)	7 8 10	9 10.5 12.5	12 13 17	13 15 21	16 18 24	18 21 28	20 23 36	24 28 43	28 33 49
12x10 20x6	0.625	CFM	188	250	313	375	438	500	625	750	875
		NC	<20	<20	<20	20	25	30	35	40	45-50
		Throw (ft.)	7 8.5 10.5	9 10.5 13	12 13.5 17	14 15.5 21	16 18 25	18 21 28	20 24 37	25 29 44	29 34 51
16x8	0.665	CFM	200	266	333	399	466	532	665	798	931
		NC	<20	<20	<20	20	25	30	35-40	40-45	>55
		Throw (ft.)	8 8.5 10.5	10 11 13.5	13 14.5 18	14 16 22	17 19 26	18 21 29	21 25 38	25 30 45	30 35 52

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			0.004			0.008			0.013			0.018			0.025			0.033			0.051			0.074			0.1		
12x12 18x8	0.757	CFM	227			303			378			454			530			605			757			908			1059		
		NC	<20			<20			<20			20			25			30			35-40			40-45			>55		
		Throw (ft.)	8	9	11	10	11.5	14.5	14	16	19	15	17	23	17	20	27	19	22	30	22	26	40	27	32	48	31	37	55
		CFM	266			355			444			533			622			710			888			1065			1243		
16x10 20x8	0.888	NC	<20			<20			<20			20			25			30			35-40			40-45			>55		
		Throw (ft.)	9	10	12	11	12.5	15	14	16	20	16	18	24	18	21	29	21	24	32	24	29	43	28	34	52	33	40	60
18x10	0.951	CFM	285			380			475			571			666			761			951			1141			1331		
		NC	<20			<20			20			25			30			30-35			35-40			40-45			>55		
		Throw (ft.)	10	11	13.5	13	15	19	16	19	23	18	21	28	21	24	35	24	28	38	28	33	50	34	41	59	38	47	70
		CFM	313			417			521			625			729			834			1042			1251			1459		
14x14 20x10	1.042	NC	<20			<20			20			25			30			30-35			35-40			40-45			>55		
		Throw (ft.)	10	11.5	14.5	14	16	20	17	20	24	19	22	30	22	26	37	25	30	40	29	35	53	35	42	62	40	49	73
18x12 26x8	1.151	CFM	345			460			575			690			805			921			1151			1381			1611		
		NC	<20			<20			20			25			30			30-35			35-40			40-45			>55		
		Throw (ft.)	10	11.5	14.5	14	16	20	17	20	24	20	23	31	22	26	37	26	31	41	29	35	53	35	42	64	43	53	74
		CFM	359			479			598			718			837			957			1196			1436			1675		
16x14	1.196	NC	<20			<20			20			25			30			30-35			35-40			40-45			>55		
		Throw (ft.)	11	12	15	15	17	21	18	21	24	20	23	33	24	28	39	27	32	43	30	36	56	36	44	66	45	55	77
16x16	1.373	CFM	412			549			687			824			961			1099			1373			1648			1923		
		NC	<20			<20			20			25			30			30-35			35-40			40-45			>55		
		Throw (ft.)	12	13	16	16	18	22	19	22	26	21	25	35	25	30	41	28	34	46	33	39	60	38	47	71	46	57	83
		CFM	463			618			772			927			1081			1236			1545			1854			2163		
24x12 28x10	1.545	NC	<20			<20			20			25			30			30-35			35-40			40-45			>55		
		Throw (ft.)	13	14.5	18	17	19	23	20	23	28	23	27	37	27	32	43	30	36	48	35	42	64	40	50	76	48	59	89
18x18 32x10	1.750	CFM	525			700			875			1050			1225			1400			1750			2100			2450		
		NC	<20			<20			20			25			30			30-35			35-40			40-45			>55		
		Throw (ft.)	13	14.5	18	18	20	24	21	24	30	24	28	38	27	32	44	31	37	51	36	44	66	43	53	79	50	62	94
		CFM	590			787			984			1180			1377			1574			1967			2361			2754		
30x12 26x14	1.967	NC	<20			<20			20			25			30			30-35			35-40			45-50			>55		
		Throw (ft.)	14	16	20	19	22	26	22	26	32	25	30	40	29	35	47	33	40	54	38	47	71	46	57	85	53	66	98
36x12 32x14	2.430	CFM	729			972			1215			1458			1701			1944			2430			2916			3402		
		NC	<20			<20			20			25			30			30-35			35-40			45-50			>55		
		Throw (ft.)	15	17	21	20	23	29	25	29	35	28	33	45	32	38	52	36	44	60	42	52	78	50	62	94	59	73	109
		CFM	946			1262			1577			1893			2208			2523			3154			3785			4416		
24x24 36x16	3.154	NC	<20			20			25			30			30-35			35-40			45-50			50-55			>55		
		Throw (ft.)	17	19	23	22	25	31	26	31	37	29	35	47	33	40	54	38	46	62	43	54	79	51	64	95	60	75	111

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Duct Size	Core Eff. Area (ft ²)	Neck Velocity (FPM)	300			400			500			600			700			800			1000			1200			1400		
		Velocity Pressure	0.004			0.008			0.013			0.018			0.025			0.033			0.051			0.074			0.1		
30x24	3.959	CFM	1188			1584			1980			2375			2771			3167			3959			4751			5543		
		NC	<20			20			25			30			30-35			35-40			45-50			50-55			>55		
		Throw (ft.)	18	21	25	23	27	33	28	33	39	31	37	49	35	42	56	39	48	64	45	56	81	53	66	97	61	77	113
48x18	4.747	CFM	1424			1899			2374			2848			3323			3798			4747			5697			6646		
		NC	<20			20			25			30			30-35			35-40			45-50			50-55			>55		
		Throw (ft.)	20	23	27	25	29	35	29	35	41	32	39	51	36	44	58	40	50	66	46	58	83	54	68	99	62	79	115

Performance Notes:

- 1) Performance data calculated with blades set at 0°
- 2) Throw values are measured in feet for terminal velocities of 150/100/50 FPM
- 3) Throw data is based on supply air and room air both at isothermal conditions
- 4) Effective core areas listed in chart are defined as the measurement of space between the blades actually utilized by the air
- 5) Data obtained from tests conducted in accordance with ANSI/ASHRAE standard 70-2006