

Performance Data



903 Series

Duct Size	Core Eff. Area (ft ²)	Neck Velocity (FPM) Velocity Pressure	300		400		500		600		700		800		1000		1200		1400										
			0.004	0.008	0.013	0.018	0.025	0.033	0.051	0.074	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	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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Duct Size	Core Eff. Area (ft ²)	Neck Velocity (FPM) Velocity Pressure	300		400		500		600		700		800		1000		1200		1400								
			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
16x10 20x8	0.888	CFM	266		355		444		533		622		710		888		1065		1243								
		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
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
14x14 20x10	1.042	CFM	313		417		521		625		729		834		1042		1251		1459								
		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
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
16x14	1.196	CFM	359		479		598		718		837		957		1196		1436		1675								
		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
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
24x12 28x10	1.545	CFM	463		618		772		927		1081		1236		1545		1854		2163								
		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
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
30x12 26x14	1.967	CFM	590		787		984		1180		1377		1574		1967		2361		2754								
		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
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
24x24 36x16	3.154	CFM	946		1262		1577		1893		2208		2523		3154		3785		4416								
		NC	<20		<20		20		25		30		30-35		35-40		45-50		>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

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Duct Size	Core Eff. Area (ft ²)	Neck Velocity (FPM)	300	400	500	600	700	800	1000	1200	1400																		
30x24	3.959	Velocity Pressure	0.004		0.008		0.013		0.018		0.025		0.033		0.051		0.074		0.1										
		CFM	1188		1584		1980		2375		2771		3167		3959		4751		5543										
		NC	<20		20		25		30		30-35		35-40		45-50		50-55		>55										
48x18	4.747	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
		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