

Performance Data



904 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 12 14	11 13 19	12 14 22
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
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
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
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
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
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
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
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
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
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
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

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			0.004	0.008	0.013	0.018	0.025	0.033	0.051	0.074	0.1																
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
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
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	0.842	CFM	253		337		421		505		589		674		842		1010		1179								
		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

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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																	
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
24x24 36x16	3.154	CFM	946		1262			1577			1893			2208			2523			3154			3785			4416		
		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
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
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

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