

Performance Data



901 Series

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																
6x4	0.122	CFM		36		49		61		73		85		97		122		146		170								
		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	13	11	12	14	12	13	19	13	14	22	16
7x4	0.143	CFM		43		57		71		86		100		114		143		171		200								
		NC		<20		<20		<20		20		25		30		35		40		40								
		Throw (ft.)		4	5	6	5	6.5	8.5	7	8	10	8	9	13	9	10	13	12	13	15	13	14	21	14	16	24	18
6x5	0.156	CFM		47		63		78		94		109		125		156		188		219								
		NC		<20		<20		<20		20		25		30		35		40		40								
		Throw (ft.)		4	5	6	5	6.5	8.5	7	8	10	8	9	13	9	10	13	12	13	15	13	14	21	14	16	24	18
10x4	0.210	CFM		63		84		105		126		147		168		210		252		293								
		NC		<20		<20		<20		20		25		30		35		40		45								
		Throw (ft.)		4	5	6	5	6.5	8.5	8	8.5	9.5	7	8.5	11	10	11	15	11	12	16	13	14	20	14	16	24	18
8x6 12x4	0.260	CFM		78		104		130		156		182		208		260		312		364								
		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
14x4	0.298	CFM		89		119		149		179		208		238		298		357		417								
		NC		<20		<20		<20		20		25		30		35		40		45								
		Throw (ft.)		5	6	7	6	7.5	9.5	9	10	12	10	11	15	12	14	19	13	15	20	16	18	27	18	21	33	21
10x6 16x4	0.329	CFM		99		132		165		198		231		264		329		395		461								
		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	17	19	29	19	22	34	22
12x6 18x4	0.399	CFM		120		159		199		239		279		319		399		478		558								
		NC		<20		<20		<20		20		25		30		35		40		45-50								
		Throw (ft.)		6	7	9	9	10	12	10	11.5	14.5	12	13.5	18	14	16	22	16	18	24	19	22	32	22	26	38	25
10x8 14x6	0.449	CFM		135		180		225		270		314		359		449		539		629								
		NC		<20		<20		<20		20		25		30		35		40		45-50								
		Throw (ft.)		7	8	10	10	11	13	11	13	16	14	16	21	15	17	23	18	20	27	20	23	35	24	28	42	27
12x8 16x6	0.544	CFM		163		217		272		326		381		435		544		652		761								
		NC		<20		<20		<20		20		25		30		35		40		45-50								
		Throw (ft.)		8	8.5	11	10	11.5	13.5	12	13.5	17	14	16	22	16	18	25	18	20	28	21	24	36	25	29	45	28
10x10 18x6	0.569	CFM		171		228		285		341		398		455		569		683		797								
		NC		<20		<20		<20		20		25		30		35		40		45-50								
		Throw (ft.)		8	8.5	11	10	11.5	14.5	12	14.5	18	15	17	23	18	20	27	19	22	30	22	26	38	26	31	47	29
14x8	0.638	CFM		191		255		319		383		447		510		638		766		893								
		NC		<20		<20		<20		20		25		30		35		40		45-50								
		Throw (ft.)		8	9	11.5	11	13	16	4	16	19	16	18	24	19	21	28	20	23	31	23	27	39	27	32	48	30

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		Velocity	Pressure	0.004	0.008	0.013	0.018	0.025	0.033	0.051	0.074	0.1																		
12x10	0.689	CFM		207	275	344	413	482	551	689	826	964																		
		NC		<20	<20	<20	20	25	30	35	40	45-50																		
		Throw (ft.)	8	9.5	12	12	13.5	17	15	17	20	17	19	25	19	22	29	21	24	32	24	28	40	27	33	49	31	38	56	
16x8	0.732	CFM		220	293	366	439	513	586	732	879	1025																		
		NC		<20	<20	<20	20	25	30	35-40	40-50	>50																		
		Throw (ft.)	9	10	12.5	12	14	17	15	17	20	17	19	25	20	23	30	22	25	33	25	29	41	29	35	51	32	40	58	
12x12 14x10	0.834	CFM		250	333	417	500	583	667	834	1000	1167																		
		NC		<20	<20	<20	20	25	30	35-40	40-50	>50																		
		Throw (ft.)	9	10	12.5	12	14	18	16	18	21	18	20	26	20	23	34	23	26	35	25	30	46	30	36	55	33	42	65	
16x10 20x8	0.928	CFM		278	371	464	557	650	742	928	1114	1299																		
		NC		<20	<20	<20	20	25	30	35-40	40-50	>50																		
		Throw (ft.)	9	11	13.5	13	15	19	17	19	23	19	21	28	21	24	35	24	28	38	27	33	50	33	41	59	38	47	70	
18x10	1.047	CFM		314	419	524	628	733	838	1047	1257	1466																		
		NC		<20	<20	20	25	30	30-35	35-40	40-45	>50																		
		Throw (ft.)	10	11.5	14	14	16	20	18	20	24	19	22	29	22	25	36	25	29	39	28	34	51	34	42	60	39	48	71	
14x14 20x10	1.148	CFM		345	459	574	689	804	919	1148	1378	1608																		
		NC		<20	<20	20	25	30	30-35	35-40	40-45	>50																		
		Throw (ft.)	10	11.5	14.5	14	16	20	18	20	24	19	22	30	23	26	37	25	30	40	29	35	53	34	42	62	40	49	73	
18x12 26x8	1.268	CFM		380	507	634	761	887	1014	1268	1521	1775																		
		NC		<20	<20	20	25	30	30-35	35-40	40-45	>50																		
		Throw (ft.)	11	12.5	15	14	16	20	18	20	24	20	23	32	23	27	38	26	31	42	29	35	55	35	43	65	43	53	75	
16x14	1.318	CFM		396	527	659	791	923	1055	1318	1582	1846																		
		NC		<20	<20	20	25	30	30-35	35-40	40-45	>50																		
		Throw (ft.)	11	12	15	15	17	21	19	21	24	20	23	33	24	28	39	27	32	43	30	36	56	36	44	66	44	55	77	
16x16	1.514	CFM		454	605	757	908	1060	1211	1514	1816	2119																		
		NC		<20	<20	20	25	30	30-35	35-40	40-45	>50																		
		Throw (ft.)	12	13	16	16	18	22	19	22	26	22	25	35	25	30	41	28	34	46	32	39	60	38	47	71	46	57	83	
24x12 28x10	1.702	CFM		511	681	851	1021	1191	1362	1702	2042	2383																		
		NC		<20	<20	20	25	30	30-35	35-40	40-45	>50																		
		Throw (ft.)	13	14.5	18	17	19	23	20	23	28	23	27	37	27	32	43	29	36	48	34	42	64	41	50	76	48	59	89	
18x18 32x10	1.929	CFM		579	772	965	1158	1350	1543	1929	2315	2701																		
		NC		<20	<20	20	25	30	30-35	35-40	40-45	>50																		
		Throw (ft.)	13	14.5	19	18	20	24	21	24	30	24	28	38	27	32	44	30	37	51	36	44	66	43	53	79	50	62	94	
30x12 26x14	2.136	CFM		641	855	1068	1282	1495	1709	2136	2564	2991																		
		NC		<20	<20	20	25	30	30-35	35-40	45-50	>50																		
		Throw (ft.)	14	16	20	19	22	26	22	26	32	25	30	40	29	35	47	32	40	54	38	47	71	46	57	85	53	66	98	

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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	CFM	NC	Throw (ft.)	CFM	NC	Throw (ft.)	CFM	NC	Throw (ft.)	CFM	NC	Throw (ft.)	CFM	NC	Throw (ft.)	CFM	NC	Throw (ft.)	CFM	NC	Throw (ft.)	CFM	NC	Throw (ft.)
36x12 32x14	2.571	CFM	771		1028			1285			1542			1799			2056			2571			3085			3599		
		NC	<20		<20			20			25			30			30-35			35-40			45-50			>50		
		Throw (ft.)	15	17	21	20	23	29	24	29	35	27	33	45	31	38	52	36	44	60	42	52	78	50	62	94	60	73
24x24 36x16	3.465	CFM	1039		1386			1732			2079			2425			2772			3465			4158			4850		
		NC	<20		20			25			30			30-35			35-40			45-50			>50			>50		
		Throw (ft.)	20	23	29	24	29	35	27	33	45	31	38	52	36	44	60	42	52	78	50	62	94	60	73	109	69	85

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