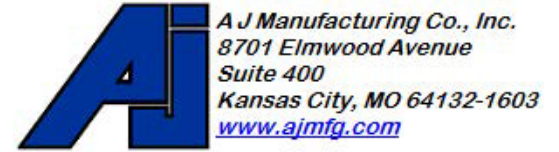


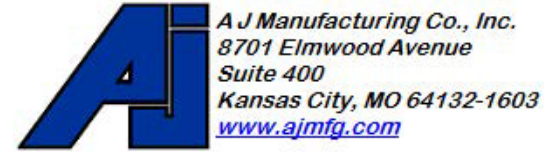
# Performance Data



## 250 Series

Duct Size	Core Eff. Area (ft <sup>2</sup> )	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	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

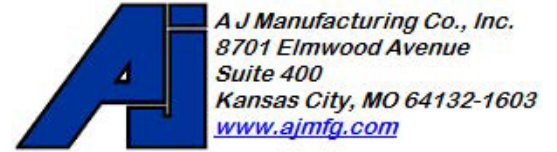
# Performance Data



## 250 Series

Duct Size	Core Eff. Area (ft <sup>2</sup> )	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		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

# Performance Data



## 250 Series

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

### Performance Notes:

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