Performance Data

904 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

Performance Data

904 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		
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
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
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	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
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	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
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	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
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	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
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	66	98

Performance Data

904 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		
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
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	111
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