RS34 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 / 0.100		
8x4	0.151	CFM	45			60			75			90			106			121			151			181			211		
		NC	<20			<20			<20			20			25			30			35			40			45		
		Throw (ft.)	3	4	5	4	5	7	6	7.5	9	7	8	10	9	10	14	10	11	15	10	12	20	12	14	20	15	17	27
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
12x4	0.231	CFM	69			92			116			139			162			185			231			277			323		
		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	0.299	CFM	90			120			150			180			210			240			299			359			419		
		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	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
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
16x6	0.488	CFM	146			195			244			293			342			391			488			586			684		
		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
18x6	0.551	CFM	165			220			276			331			386			441			551			661			772		
		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	12.0	13	17	13	15	21	16	18	24	18	21	28	20	23	36	24	28	43	28	33	49
16x8	0.665	CFM	200			266			333			399			466			532			665			798			931		
		NC	<20			<20			<20			20			25			30			35-40			40-45			>50		
		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
18x8	0.751	CFM	225			300			376			451			526			601			751			901			1051		
		NC	<20			<20			<20			20			25			30			35-40			40-45			>50		
		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
20x6	0.614	CFM	184			246			307			368			430			491			614			737			860		
		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
20x8	0.837	CFM	251			335			419			502			586			670			837			1004			1172		
		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
22x6	0.677	CFM	203			271			339			406			474			542			677			812			948		
		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
22x8	0.923	CFM	277			369			462			554			646			738			923			1108			1292		
		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
24x6	0.740	CFM	222			296			370			444			518			592			740			888			1036		
		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
24x8	1.008	CFM	302			403			504			605			706			806			1008			1210			1411		
		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

Performance Notes:

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