RS52 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		
8x4	0.166	CFM	50			66			83			99			116			132			166			199			232		
		NC	<20			<20			<20			20			25			30			35			40			45		
		Throw (ft.)	4	4.5	5.5	5	6	7.5	7	7.5	8.5	7	8	10	8	9	12	9	10	14	11	13	18	12	14	20	15	17	27
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	20	29
12x4	0.254	CFM	76			101			127			152			178			203			254			304			355		
		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	0.298	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	24	38
10x6	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	26	40
12x6	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	30	44
14x6	0.468	CFM	140			187			234			281			328			374			468			561			655		
		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	33	49
16x6	0.537	CFM	161			215			269			322			376			430			537			645			752		
		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	34	52
18x6	0.606	CFM	182			243			303			364			424			485			606			728			849		
		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	36	54
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	14	16	19	16	18	24	19	21	28	20	23	31	23	27	39	27	32	48	30	37	55
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
18x8	0.827	CFM	248			331			413			496			579			661			827			992			1158		
		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	26	30	46	30	36	55	34	42	65
20x6	0.676	CFM	203			270			338			406			473			541			676			811			946		
		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
20x8	0.921	CFM	276			368			461			553			645			737			921			1105			1289		
		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
22x6	0.745	CFM	224			298			373			447			522			596			745			894			1043		
		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	34	25	29	42	29	35	52	32	40	60
22x8	1.016	CFM	305			406			508			610			711			813			1016			1219			1422		
		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	61	39	48	73
24x6	0.814	CFM	244			326			407			488			570			651			814			977			1140		
		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
24x8	1.110	CFM	333			444			555			666			777			888			1110			1332			1554		
		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	75

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