

# Performance Data



## 945 Series

Duct Size	Core Eff. Area (ft <sup>2</sup> )	Neck Velocity (FPM)	300			400			500			600			700			800			900			1000			1200		
		Velocity Pressure	.007			.011			.017			.024			.034			.044			.055			.068			.100		
8x4	0.140	CFM	42			56			70			84			98			112			126			140			168		
		NC	<20			20			25			25			30			30			35			35			40		
		Throw C	4	5	6	6	7	8	8	9	11	9	10.5	14	9	11	16	12	14	18	12	15	22	13	16	23	16	20	28
		Throw S	3	4	5	3	4	5	3	4	5	3	4	5	3	4	5	4	5	6	4	5	7	4	6	9	6	8	12
10x4	0.175	CFM	52			70			87			105			122			140			157			175			210		
		NC	<20			20			25			25			30			30			35			35			40		
		Throw C	4	5	6	6	7	8	8	9	11	9	10.5	14	10	12	17	12	14	19	13	16	23	13	16	23	16	20	28
		Throw S	2	3	3	3	4	5	4	5	7	5	6.5	9	6	7	10	6	8	11	6	8	12	7	9	13	8	10	15
12x4	0.219	CFM	66			88			110			132			154			175			197			219			263		
		NC	<20			20			25			25			30			35			35			40			40		
		Throw C	5	6	8	7	8	10	10	11	13	9	11	16	12	14	18	12	15	21	14	17	24	14	17	26	17	21	31
		Throw S	4	4	5	5	5	5.5	4	5	7	5	6.5	9	7	8	11	7	9	12	8	10	14	9	11	17	10	12	18
14x4	0.268	CFM	81			107			134			161			188			215			242			268			322		
		NC	<20			20			25			25			30			35			35			40			40		
		Throw C	4	6	8	7	8	10	10	11	13	9	11	16	12	14	18	12	15	21	14	17	24	15	18	27	18	22	33
		Throw S	4	4	5	4	5	7	6	7	8	6	7.5	11	8	9	12	9	11	14	9	11	17	10	12	18	11	14	22
10x6	0.272	CFM	82			109			136			163			190			218			245			272			327		
		NC	<20			20			25			25			30			35			35			40			40		
		Throw C	6	7	8	9	10	11	11	13	14	11	14	18	13	15	21	15	18	24	16	20	29	17	21	30	20	24	34
		Throw S	4	4	5	4	5	7	6	7	8	6	7.5	11	8	9	12	9	11	14	9	11	17	11	14	20	13	16	23
12x6	0.349	CFM	105			140			175			210			244			279			314			349			419		
		NC	<20			20			25			30			35			35			35			40			40		
		Throw C	7	8	9	9	10	11	11	12	15	11	13	17	13	15	21	15	18	24	15	19	29	18	22	32	21	26	36
		Throw S	4	5	6	6	7	8	8	9	11	10	11.5	14	9	11	16	11	13	17	11	14	23	13	16	23	15	18	27
14x6	0.404	CFM	121			161			202			242			283			323			363			404			484		
		NC	<20			20			25			30			35			35			35			40			40		
		Throw C	7	8	10	10	11	14	12	14	17	13	15	21	15	18	24	16	20	27	17	22	33	20	24	36	24	29	44
		Throw S	6	7	8	7	8	10	9	10	13	9	10.5	14	10	12	17	12	14	19	12	15	23	14	17	26	16	20	30

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12x8	0.476	CFM	143			190			238			286			333			381			429			476			571		
		NC	<20			20			25			30			35			35			40			40			45		
		Throw C	7	9	10	18	11	14	12	14	17	13	15	21	15	18	24	17	21	29	18	23	33	21	26	38	25	30	45
		Throw S	6	8	9	7	8	10	9	11	14	10	12	17	12	14	18	13	16	22	14	17	26	15	18	27	19	23	35
14x8	0.541	CFM	162			216			271			325			379			433			487			541			649		
		NC	<20			20			25			30			35			40			40			40			45		
		Throw C	8	9	11	11	13	16	15	17	22	16	18	24	17	21	29	20	24	33	21	26	39	24	29	44	27	33	51
		Throw S	7	8	9	9	10	11	10	11	14	11	13	17	13	15	21	14	17	23	15	18	27	16	20	30	20	24	36
16x8	0.659	CFM	198			264			330			395			461			527			593			659			791		
		NC	<20			20			25			30			35			40			40			40			45		
		Throw C	8	9	11	11	14	17	16	18	23	17	19	25	18	22	30	21	25	34	22	27	41	25	30	46	28	34	53
		Throw S	7	8	9	9	10	11	10	11	15	11	14	18	14	16	22	15	18	24	16	19	28	17	21	31	21	25	37
14x10	0.729	CFM	219			291			364			437			510			583			656			729			874		
		NC	20			20			25			30			35			40			40			40			45		
		Throw C	10	12	14	13	15	18	18	20	25	18	21	27	20	24	34	23	28	39	24	30	45	28	35	50	32	39	57
		Throw S	9	10	12	11	12	13	12	14	17	14	16	20	15	18	26	17	21	29	17	22	33	21	26	36	25	30	42
12x12	0.730	CFM	219			292			365			438			511			584			657			730			876		
		NC	20			20			25			30			35			40			40			40			45		
		Throw C	10	12	14	13	15	18	18	20	25	18	21	27	20	24	33	23	28	37	24	30	43	28	35	47	32	39	53
		Throw S	9	10	12	11	12	13	12	14	17	14	16	20	15	18	27	17	21	30	17	22	34	21	26	38	25	30	44
14x14	1.002	CFM	301			401			501			601			701			802			902			1002			1202		
		NC	20			20			25			30			35			40			45			45			>45		
		Throw C	11	13	15	14	16	19	19	21	26	19	22	28	21	25	36	24	29	41	25	32	47	29	37	53	34	41	60
		Throw S	9	10	12	11	12	13	12	14	17	14	16	20	15	18	26	17	21	29	17	22	33	21	26	36	25	30	42

## 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