

Performance Data



945 Series

Duct Size	Core Eff. Area (ft ²)	Neck Velocity (FPM) Velocity Pressure	300	400	500	600	700	800	900	1000	1200																																																																																	
			.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	6	4	5	7	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										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										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																																																															
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																																																															

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Duct Size	Core Eff. Area (ft ²)	Neck Velocity (FPM) Velocity Pressure	300		400			500			600			700			800			900			1000			1200			
			.007		.011			.017			.024			.034			.044			.055			.068			.100			
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
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

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