

Performance Data



100 Series

Duct Size	Core Eff. Area (ft ²)	Neck Velocity (FPM)		300		400		500		600		700		800		900		1000		1200							
		Velocity	Pressure	0.007	0.011	0.017	0.024	0.034	0.044	0.055	0.068	0.1															
6x6	0.138	CFM	41		55		69		83		96		110		124		138		165								
		NC	<20		20		25		30		30		30		35		35		40								
		Throw	2	3	5	4	4.5	5.5	5	5.5	6.5	5	6	8	6	7	9.5	7	8	11	8	9	13	8	9.5	15	9
8x8	0.250	CFM	75		100		125		150		175		200		225		250		300								
		NC	<20		20		25		30		30		30		35		35		40								
		Throw	3	4.5	6	5	5.5	6.5	6	7	8.5	7	8	10.5	8	9.5	12.5	9	10	14	9	11	16	10	12	18	11
10x10	0.396	CFM	119		158		198		238		277		317		356		396		475								
		NC	<20		20		25		30		30		30		35		35		40								
		Throw	4	5	6	6	6.5	7.5	7	8	9.5	8	9.5	11.5	9	10	14	10	12	16	11	13	19	12	14	20	13
12x12	0.575	CFM	173		230		288		345		403		460		518		575		690								
		NC	<20		25		30		30		30		30		35		35		40								
		Throw	4	5.5	6.5	7	8	10	8	9.5	11.5	9	11	14	10	12	16	12	14	18	13	15	22	14	16	24	15
14x14	0.788	CFM	236		315		394		473		551		630		709		788		945								
		NC	<20		25		30		30		30		30		35		35		40								
		Throw	5	6	8	7	8.5	11	8	11	13	11	13	17	13	15	20	14	16	22	15	17	25	16	19	29	18
16x16	1.034	CFM	310		413		517		620		724		827		930		1034		1240								
		NC	<20		25		30		30		30		30		35		35		40								
		Throw	6	7	9	8	9.5	11.5	10	12	14.5	12	14	18.5	14	16	22	16	18	24	16	18	28	19	22	32	20
18x18	1.313	CFM	394		525		656		788		919		1050		1181		1313		1575								
		NC	20		25		30		30		35		35		40		40		40								
		Throw	7	8	10	9	10	13	12	14	17	14	16	21	16	18	24	17	20	28	19	22	32	20	24	36	22
20x20	1.625	CFM	488		650		813		975		1138		1300		1463		1625		1950								
		NC	20		25		30		30		35		35		35		40		40								
		Throw	8	9	11	10	12	14.5	14	16	19	15	17	22	17	20	27	20	23	31	21	24	35	22	26	40	24
24x24	2.350	CFM	705		940		1175		1410		1645		1880		2115		2350		2820								
		NC	20		25		30		30		35		35		40		40		40								
		Throw	8	10	12.5	12	14	17	16	18	22	17	20	27	20	24	32	23	27	37	24	28	42	25	30	46	26

Performance Notes:

- 1) Throw values are measured in feet for terminal velocities of 150/100/50 FPM
- 2) Throw data is based on supply air and room air both at isothermal conditions
- 3) Effective core areas listed in chart are defined as the measurement of space between the blades actually being utilized by the air