Performance Data

100 Series

Duct Size	Core Eff. Area (ft^2)	Neck Velocity (FPM) / Velocity Pressure	300 / 0.007			400 / 0.011			500 / 0.017			600 / 0.024			700 / 0.034			800 / 0.044			900 / 0.055			1000 / 0.068			1200 / 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	11	16
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	13	19
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	15	23
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	17	25
14x14	0.788	CFM	236			315			394			473			551			630			709			788			945		
		NC				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	21	31
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	24	36
18x18	1.313	CFM	394			525			656			788			919			1050			1181			1313			1575		
		NC	20			25			30			30			35			35			35			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	26	40
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	29	43
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	32	48

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