Performance Data

100 O 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	0.131	CFM	39			52			65			79			92			105			118			131			157		
		NC	<20			20			25			30			30			30			35			35			40		
		Throw	2	2.5	3.5	3	4	5	4	4.5	5.5	4	5	7	5	6.5	8.5	6	7	10	6	7.5	10	7	8	12	8	9.5	15
8x8	0.238	CFM	71			95			119			143			166			190			214			238			285		
		NC	<20			20			25			30			30			30			35			35			40		
		Throw	3	4	5	4	4.5	6	5	6	7	6	7	9	6	7.5	11	7	8.5	12	8	9	14	9	10.5	16	10	11.5	17
10x10	0.376	CFM	113			151			188			226			263			301			339			376			452		
		NC	<20			20			25			30			30			30			35			35			40		
		Throw	3	4	5.5	5	5.5	6.5	6	7	8.5	7	7.5	11	8	9.5	13	9	10	14	9	11	17	10	12	18	11	13.5	20
12x12	0.546	CFM	164			219			273			328			383			437			492			546			656		
		NC	<20			25			30			30			30			30			35			35			40		
		Throw	4	5	6	6	7	9	7	8	10	8	9.5	13	9	10	14	11	12.5	17	12	13.5	20	12	14.5	22	15	17	25
14x14	0.748	CFM	225			299			374			449			524			599			674			748			898		
		NC	<20			25			30			30			30			30			35			35			40		
		Throw	5	6	7	6	7.5	9.5	8	10	12	9	10.5	15	11	13	17	12	14	19	13	15	22	15	17	25	16	19	29
16x16	0.982	CFM	295			393			491			589			687			786			884			982			1178		
		NC	<20			25			30			30			30			30			35			35			40		
		Throw	6	6.5	8	7	8.5	10.5	9	10.5	12.5	10	12.5	17	12	14.5	20	14	16	22	14	16	25	16	19	29	18	22	34
18x18	1.247	CFM	374			499			624			748			873			998			1122			1247			1497		
		NC	<20			25			30			30			35			35			35			35			40		
		Throw	6	7	9	8	9	11	10	11.5	15	11	13.5	18	13	15.5	21	16	18	24	17	20	30	18	21	31	19	23	35
20x20	1.544	CFM	463			618			772			926			1081			1235			1390			1544			1853		
		NC	<20			25			30			30			35			35			35			40			40		
		Throw	7	8	10	9	10	12	11	13.5	17	12	14	19	15	17	24	17	20	28	18	21	31	20	23	34	20	24	36
24x24	2.233	CFM	670			893			1116			1340			1563			1786			2009			2233			2679		
		NC	<20			25			30			30			35			35			35			40			40		
		Throw	8	9.5	11	10	11.5	14.5	13	15.5	19	15	17	23	17	20	28	20	24	33	21	25	39	22	26	40	23	28	42

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