

Performance Data



100 O Series

Duct Size	Core Eff. Area (ft ²)	Neck Velocity (FPM) Velocity Pressure	300	400	500	600	700	800	900	1000	1200
			0.007	0.011	0.017	0.024	0.034	0.044	0.055	0.068	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