

Performance Data



104 Series

Neck Size	Core Eff. Area (ft ²)	Neck Velocity (FPM) Velocity Pressure	300	400	500	600	700	800	900	1000
			0.007	0.011	0.017	0.024	0.032	0.044	0.056	0.067
8x8-6	0.174	CFM	52	70	87	104	122	139	157	174
		NC	<20	20-25	25-30	30	35	35-40	40	45
		Throw (ft.)	2 3 4	3 4 5.5	4 5 7	5 6 8	6 7 10	7 8.5 11	8 9 14	9 11 15
10x10-8	0.323	CFM	97	129	161	194	226	258	291	323
		NC	<20	20-25	25-30	30	35	35-40	40	45
		Throw (ft.)	3 3.5 4.5	4 4.5 6	5 5.5 7.5	6 7 9	7 7.5 10.5	8 9 12	9 10 15	10 12 18
12x12-10	0.519	CFM	156	208	259	311	363	415	467	519
		NC	20	25-30	30	30	<40	40-45	45	45
		Throw (ft.)	4 4.5 5.5	5 5.5 7	6 7 9	7 8 10.5	8 9.5 12.5	9 10 14	10 12 18	11 13 19
14x14-12	0.762	CFM	229	305	381	457	533	609	686	762
		NC	20	25-30	30	30-35	<40	40-45	45	50
		Throw (ft.)	5 5.5 6.5	6 7 9	7 8 11	8 10 14	10 12 16	11 14 18	12 15 22	14 17 25
16x16-14	1.052	CFM	316	421	526	631	736	841	947	1052
		NC	25	25-30	30	35	35-40	45	<50	50
		Throw (ft.)	5 6 8	7 7.5 9.5	8 9 12	10 11.5 16	11 13.5 19	13 16 22	14 17 25	16 19 29
18x18-16	1.357	CFM	407	543	678	814	950	1085	1221	1357
		NC	25-30	30	30-35	35-40	40	45	50	>50
		Throw (ft.)	6 7 9	8 9 11	9 10 14	11 13 17	13 15 21	15 17 23	16 18 26	17 20 30
20x20-18	1.391	CFM	417	556	695	835	974	1113	1252	1391
		NC	30	30-35	35-40	40	40-45	45-50	50-55	>55
		Throw (ft.)	7 8 10	9 10 13	10 12 16	13 15 19	15 17 24	17 19 26	18 20 30	19 22 32

Performance Notes:

- 1) For square neck multiply CFM x 1.21
- 2) Throw values are measured in feet for terminal velocities of 150/100/50 FPM
- 3) Throw data is based on supply air and room air both at isothermal conditions
- 4) Effective core areas listed in chart are defined as the measurement of space between the blades actually being utilized by the air
- 5) Data obtained from tests conducted in accordance with ANSI/ASHRAE standard 70-2006