

# Performance Data

## 700 CB Series

Neck Size	Core Eff. Area (ft <sup>2</sup> )	Neck Velocity (FPM) Total Pressure	400			500			600			700			800			1000		
			0.038			0.049			0.066			0.092			0.114			0.180		
6x6-6	0.123	CFM	49			61			74			86			98			123		
		NC	<20			<20			<20			<20			20			20		
		Throw (ft.)	2	2.5	3.5	2	3	4	3	3.5	4.5	3	4	6	4	5	7	5	6	10
8x8-8	0.239	CFM	95			119			143			167			191			239		
		NC	<20			<20			<20			<20			20			25		
		Throw (ft.)	2	3	4	3	3.5	4.5	4	5	7	5	6	8	5	6.5	10	6	8	13
10x10-10	0.392	CFM	157			196			235			275			314			392		
		NC	<20			<20			20			20-25			25			25-30		
		Throw (ft.)	3	3.5	4.5	3	4	6	5	5.5	8.5	6	6.5	9.5	6	7	11	7	10	14.5
12x12-12	0.584	CFM	234			292			350			409			467			584		
		NC	<20			<20			20			20-25			25			25-30		
		Throw (ft.)	3	4	6	4	5	7	6	7	10	7	8	10.5	7	9	13	9	12	18
14x14-14	0.814	CFM	325			407			488			569			651			814		
		NC	<20			<20			20			25			25-30			30		
		Throw (ft.)	4	5	7	5	6	8	7	8	11	8	9	13	8	10	15	11	14	20
16x16-16	1.081	CFM	432			540			649			757			865			1081		
		NC	<20			<20			20			25			25-30			30		
		Throw (ft.)	5	7	9	6	7	10	8	9.5	12.5	9	11	15	10	12	18	13	15	23
18x18-18	1.386	CFM	555			693			832			970			1109			1386		
		NC	<20			<20			20			25			25-30			30		
		Throw (ft.)	6	7	10	8	10	12	9	11	15	11	13	17	12	13.5	21	14	18	26
20x20-20	1.730	CFM	692			865			1038			1211			1384			1730		
		NC	<20			<20			20			25			25-30			30		
		Throw (ft.)	9	10	12	10	11.5	14.5	10	12	16	12	14.5	20	13	15	23	15	19	29



Pattern	Factor
10A	2
20A	1.4
20D	1.4
30A	1.4
40A	1

**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