



Performance Data

700 CB-FR Series

Size	Eff. Area (ft ²)	Velocity	400	500	600	700	800	1000
		Duct Pt.	0.038	0.108	0.155	0.22	0.285	0.438
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 3.0 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 9.5 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 8.0 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

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