Performance Data

SCB31 and SCB41 Series

Duct Size	Core Eff. Area (ft^2)	Neck Velocity (FPM) / Total Pressure	400 / 0.038			500 / 0.108			600 / 0.155			700 / 0.22			800 / 0.285			1000 / 0.438		
6x6	0.149	CFM	59			74			89			104			119			149		
		NC	<20			<20			<20			<20			20			20		
		4-Way Throw (ft.)	3	4	7	4	5	8	6	7	10	6	8	12	8	10	14	9	12	16
		3-Way Throw (ft.)	4	5	8	5	6	9	6	8	12	7	9	14	9	12	16	11	14	18
8x8	0.289	CFM	116			144			173			202			231			289		
		NC	<20			<20			<20			<20			20			25		
		4-Way Throw (ft.)	4	5	9	5	7	10	7	9	13	8	10	15	10	13	18	12	15	20
		3-Way Throw (ft.)	4	6	10	6	8	12	8	10	15	10	12	18	12	15	21	14	18	24
10x10	0.475	CFM	190			237			285			332			380			475		
		NC	<20			<20			20			20-25			25			25-30		
		4-Way Throw (ft.)	6	7	11	7	9	13	9	11	17	10	13	20	14	17	23	15	20	26
		3-Way Throw (ft.)	6	8	13	8	10	16	10	13	19	13	16	23	15	19	27	18	23	31
12x12	0.707	CFM	283			353			424			495			565			707		
		NC	<20			<20			20			20-25			25			25-30		
		4-Way Throw (ft.)	7	9	14	9	12	17	11	14	22	14	17	26	17	22	30	20	26	34
		3-Way Throw (ft.)	8	10	17	10	13	20	13	17	25	16	20	30	19	25	35	23	30	40
14x14	0.984	CFM	394			492			591			689			787			984		
		NC	<20			<20			20			25			25-30			30		
		4-Way Throw (ft.)	8	10	16	10	13	20	12	16	24	16	20	29	19	24	34	22	29	39
		3-Way Throw (ft.)	9	12	19	11	15	23	15	19	29	18	23	34	22	29	40	26	34	45

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
4) Data obtained from tests conducted in accordance with ANSI/ASHRAE standard 70-2006