Performance Data

500CB Series

Duct Size	Core Eff. Area (ft^2)	Neck Velocity (FPM) / Velocity Pressure	300 / .007			400 / .011			500 / .017			600 / .024			700 / .032			800 / .044			900 / .056			1000 / .067		
6x6	0.111	CFM	33			45			56			67			78			89			100			111		
		NC	<20			<20			<20			<20			<20			20			20			25		
		Throw	1	2	4	2	3	5	3	4	6	5	6	8	6	8	12	7	8.5	13	7	9	13	8	10	15
8x8	0.207	CFM	62			83			104			124			145			166			186			207		
		NC	<20			<20			<20			<20			<20			20			20			25		
		Throw	2	3	5	3	4	6	4	5	7	6	8	10	7	9	13	8	10	14	9	11	17	10	13	19
10x10	0.332	CFM	100			133			166			199			233			266			299			332		
		NC	<20			<20			<20			20			20			20			25			25-30		
		Throw	3	4	6	4	5	7	5	6.5	9.5	7	9	13	8	10	15	10	12	18	11	14	21	13	16	24
12x12	0.487	CFM	146			195			243			292			341			389			438			487		
		NC	<20			<20			<20			20			20			20			25			25-30		
		Throw	4	5	7	5	6	9	7	8	12	8	10	15	10	12	18	11	13	19	12	15	22	15	18	26
14x14	0.671	CFM	201			268			335			402			470			537			604			671		
		NC	<20			<20			<20			20			20			25			25-30			25-30		
		Throw	5	6	8	6	7	11	8	9	13	10	12	17	11	13	19	12	15	22	14	17	25	16	19	29
16x16	0.884	CFM	265			354			442			531			619			707			796			884		
		NC	<20			<20			<20			20			25			25-30			30			30-35		
		Throw	6	7	9	7	8	12	9	10	15	11	13	18	12	14	21	13	16	24	15	18	27	17	20	30

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