

Performance Data



500MA Series

Duct Size	Core Eff. Area (ft ²)	Neck Velocity (FPM)		300			400			500			600			700			800			900			1000		
		Velocity	Pressure	.007			.011			.017			.024			.032			.044			.056			.067		
6x6	0.106	CFM	32			43			53			64			74			85			96			106			
		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	0.200	CFM	60			80			100			120			140			160			180			200			
		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	0.323	CFM	97			129			162			194			226			259			291			323			
		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	0.476	CFM	143			190			238			286			333			381			429			476			
		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	0.658	CFM	198			263			329			395			461			527			593			658			
		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	0.870	CFM	261			348			435			522			609			696			783			870			
		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