

# Performance Data



700 MCB Series																																														
FPM		300					400					500					600					700					800					900					1000					1100				
VP		0.006					0.01					0.016					0.022					0.031					0.04					0.05					0.062					0.075				
6x6-6 .175ft/sq	CFM	53					70					88					105					123					140					158					175					193				
	SP	0.003					0.006					0.01					0.014					0.018					0.023					0.029					0.036					0.043				
	TP	0.009					0.016					0.026					0.036					0.049					0.063					0.079					0.098					0.118				
	NC	-					-					15					16					21					25					28					30					32				
	1w throw	3	7	15	5	10	22	8	14	27	12	17	32	12	19	37	15	22	42	17	24	46	19	27	49	20	31	56																		
	2w throw	3	5	12	4	8	18	7	11	22	9	14	26	9	15	30	12	18	34	14	19	37	15	22	39	16	24	45																		
	3w throw	2	4	10	3	7	14	6	9	18	8	11	21	8	12	24	10	14	28	11	15	30	12	18	32	13	20	36																		
	4w throw	2	3	8	3	5	11	4	7	14	6	8	16	6	9	19	8	11	21	8	12	23	9	14	25	10	15	28																		
8x8-8 .30ft/sq	FPM	300					400					500					600					700					800					900					1000					1100				
	CFM	85					115					145					175					200					230					260					290					330				
	SP	0.004					0.007					0.011					0.016					0.02					0.026					0.032					0.04					0.048				
	TP	0.01					0.017					0.027					0.038					0.051					0.066					0.082					0.102					0.123				
	NC	-					-					-					16					21					26					28					30					32				
	1w throw	4	8	18	6	12	26	10	16	32	14	20	38	14	22	44	18	26	50	20	28	54	22	32	58	24	36	66																		
	2w throw	3	6	14	5	10	21	8	13	26	11	16	30	11	18	35	14	21	40	16	22	43	18	26	46	19	29	53																		
	3w throw	3	5	12	4	8	17	7	10	21	9	13	25	9	14	29	12	17	33	13	18	35	14	21	38	16	23	43																		
4w throw	2	4	9	3	6	13	5	8	16	7	10	19	7	11	22	9	13	25	10	14	27	11	16	29	12	18	33																			
10x10-10 .486ft/sq	FPM	300					400					500					600					700					800					900					1000					1100				
	CFM	146					194					243					292					340					389					437					486					535				
	SP	0.005					0.009					0.014					0.02					0.025					0.034					0.042					0.051					0.061				
	TP	0.011					0.019					0.03					0.042					0.056					0.074					0.092					0.113					0.136				
	NC	-					-					15					16					20					22					27					28					30				
	1w throw	7	13	26	11	18	35	15	22	40	19	27	46	21	31	51	24	35	56	27	37	60	30	40	63	32	44	70																		
	2w throw	6	10	21	9	14	28	12	18	32	15	22	37	17	25	41	19	28	45	22	30	48	24	32	50	26	35	56																		
	3w throw	5	8	17	7	12	23	10	14	26	12	18	30	14	20	33	16	23	36	18	24	39	20	26	41	21	29	46																		
4w throw	4	7	13	6	9	18	8	11	20	10	14	23	11	16	26	12	18	28	14	19	30	15	20	32	16	22	35																			

• See performance notes at the end of the product series for more information

# Performance Data



12x12-12 .683ft/sq	<b>FPM</b>	<b>300</b>			<b>400</b>			<b>500</b>			<b>600</b>			<b>700</b>			<b>800</b>			<b>900</b>			<b>1000</b>			<b>1100</b>		
	<b>CFM</b>	205			274			342			410			479			547			616			684			759		
	<b>SP</b>	0.007			0.012			0.018			0.025			0.033			0.043			0.053			0.064			0.076		
	<b>TP</b>	0.013			0.022			0.034			0.047			0.064			0.083			0.103			0.126			0.151		
	<b>NC</b>	-			15			15			16			20			21			25			25			28		
	<b>1w throw</b>	10	18	34	16	24	44	20	28	48	24	34	54	28	40	58	30	44	62	34	46	66	38	48	68	40	52	74
	<b>2w throw</b>	8	14	27	13	19	35	16	22	38	19	27	43	22	32	46	24	35	50	27	37	53	30	38	54	32	42	59
	<b>3w throw</b>	7	12	22	10	16	29	13	18	31	16	22	35	18	26	38	20	29	40	22	30	43	25	31	44	26	34	48
	<b>4w throw</b>	5	9	17	8	12	22	10	14	24	12	17	27	14	20	29	15	22	31	17	23	33	19	24	34	20	26	37
14x14-14 .96ft/sq	<b>FPM</b>	<b>300</b>			<b>400</b>			<b>500</b>			<b>600</b>			<b>700</b>			<b>800</b>			<b>900</b>			<b>1000</b>			<b>1100</b>		
	<b>CFM</b>	288			384			480			576			672			768			864			960			1056		
	<b>SP</b>	0.006			0.01			0.015			0.02			0.029			0.038			0.046			0.055			0.067		
	<b>TP</b>	0.012			0.02			0.031			0.042			0.06			0.078			0.096			0.117			0.142		
	<b>NC</b>	-			16			22			26			28			31			35			38			42		
	<b>1w throw</b>	11	20	37	18	27	45	22	33	49	27	37	54	32	42	59	34	45	63	37	49	68	41	52	72	43	56	78
	<b>2w throw</b>	9	16	30	14	22	36	18	26	39	22	30	43	26	34	47	27	36	50	30	39	54	33	42	58	34	45	62
	<b>3w throw</b>	7	13	24	12	18	29	14	21	32	18	24	35	21	27	38	22	29	41	24	32	44	27	34	47	28	36	51
	<b>4w throw</b>	6	10	19	9	14	23	11	17	25	14	19	27	16	21	30	17	23	32	19	25	34	21	26	36	22	28	39

## Performance Notes

- For square neck multiply CFM x 1.21 between the blades actually being utilized the louver being parallel with the ceiling surface
- Throw values are measured in feet for terminal velocities of 150/100/50 FPM
- Throw data is based on supply air and room air both at isothermal conditions
- Effective core areas listed in the chart are defined as the measurement of space
- Data obtained from tests conducted in accordance with ANSI/ASHRAE standard 70-2006
- Performance Data is based on curvature of