

Performance Data



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 .212ft/sq	CFM	64				85				106				127				148				170				191				212				233			
	SP	0.003				0.006				0.011				0.015				0.019				0.025				0.031				0.039				0.046			
	TP	0.009				0.016				0.027				0.037				0.050				0.065				0.081				0.101				0.121			
	NC	-				-				17				18				24				29				32				35				37			
	1w throw	4	7	16	5	11	24	9	15	29	13	18	35	13	20	40	16	24	46	18	26	49	20	29	53	22	33	60									
	2w throw	3	6	13	4	9	19	7	12	23	10	15	28	10	16	32	13	19	36	15	20	39	16	23	42	17	26	48									
	3w throw	2	5	11	4	7	15	6	9	19	8	12	23	8	13	26	11	15	30	12	17	32	13	19	34	14	21	39									
	4w throw	2	4	8	3	5	12	5	7	15	6	9	17	6	10	20	8	12	23	9	13	25	10	15	26	11	16	30									
8x8 .363ft/sq	CFM	109				145				182				218				254				290				327				363				399			
	SP	0.004				0.008				0.012				0.017				0.022				0.028				0.035				0.043				0.052			
	TP	0.010				0.018				0.028				0.039				0.053				0.068				0.085				0.105				0.127			
	NC	-				-				-				18				24				30				32				35				37			
	1w throw	4	9	19	6	13	28	11	17	34	15	22	41	15	24	47	19	28	54	22	30	58	24	34	62	26	39	71									
	2w throw	3	7	15	5	10	22	9	14	28	12	17	33	12	19	38	15	22	43	17	24	46	19	28	50	21	31	57									
	3w throw	3	6	13	4	8	18	7	11	22	10	14	27	10	15	31	13	18	35	14	20	38	15	22	41	17	25	46									
	4w throw	2	4	10	3	6	14	5	9	17	8	11	20	8	12	24	10	14	27	11	15	29	12	17	31	13	19	35									
10x10 .593ft/sq	CFM	177				236				295				354				413				472				531				590				649			
	SP	0.005				0.010				0.015				0.022				0.027				0.037				0.045				0.055				0.066			
	TP	0.011				0.020				0.031				0.044				0.058				0.077				0.095				0.117				0.141			
	NC	-				-				17				18				23				25				31				32				35			
	1w throw	8	14	28	12	19	38	16	24	43	20	29	49	23	33	55	26	38	60	29	40	65	32	43	68	34	47	75									
	2w throw	6	11	22	9	15	30	13	19	34	16	23	40	18	27	44	21	30	48	23	32	52	26	34	54	28	38	60									
	3w throw	5	9	18	8	13	24	10	15	28	13	19	32	15	22	36	17	24	39	19	26	42	21	28	44	22	31	49									
	4w throw	4	7	14	6	10	19	8	12	22	10	15	25	11	17	27	13	19	30	15	20	32	16	22	34	17	24	38									
12x12 .826ft/sq	CFM	248				330				413				496				578				661				743				826				909			
	SP	0.008				0.013				0.019				0.027				0.036				0.046				0.057				0.069				0.082			
	TP	0.014				0.023				0.035				0.049				0.067				0.086				0.107				0.131				0.157			
	NC	-				17				17				18				23				24				29				29				32			
	1w throw	11	19	37	17	26	47	22	30	52	26	37	58	30	43	62	32	47	67	37	49	71	41	52	73	43	56	80									
	2w throw	9	15	29	14	21	38	17	24	41	21	29	46	24	34	50	26	38	53	29	40	57	33	41	58	34	45	64									
	3w throw	7	13	24	11	17	31	14	20	34	17	24	38	20	28	41	21	31	43	24	32	46	27	34	48	28	36	52									
	4w throw	5	10	18	9	13	24	11	15	26	13	18	29	15	22	31	16	24	33	18	25	35	20	26	37	22	28	40									

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

Performance Data



14x14 1.16ft/sq	FPM	300			400			500			600			700			800			900			1000			1100		
	CFM	348			464			580			696			812			928			1044			1160			1276		
	SP	0.006			0.011			0.016			0.022			0.031			0.041			0.050			0.059			0.072		
	TP	0.012			0.021			0.032			0.044			0.062			0.081			0.100			0.121			0.147		
	NC	-			18			24			29			31			34			39			42			46		
	1w throw	12	22	40	19	29	48	24	35	53	29	40	58	34	45	63	37	48	68	40	53	73	44	56	77	46	60	84
	2w throw	9	17	32	15	23	39	19	28	42	23	32	46	28	36	51	29	39	54	32	42	58	35	45	62	37	48	67
	3w throw	8	14	26	13	19	31	15	23	34	19	26	38	22	29	41	24	31	44	26	34	48	29	36	50	30	39	55
	4w throw	6	11	20	10	15	24	12	18	26	15	20	29	17	23	32	18	24	34	20	26	37	22	28	39	23	30	42

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 the 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
- 5) Performance Data is based on curvature of the louver being parallel with the ceiling surface