Performance Data

SHOEMAKER MANUFACTURING

DVD Series 3-way

	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	0.011			0.011			0.011			0.022			0.027			0.032			0.043			0.065			0.086		
	TP	0.017			0.021			0.027			0.044			0.058			0.072			0.093			0.127			0.161		
	NC	-			-			-			16			22			27			30			32			35		
	3w throw	4	5	10	5	6	13	5	9	15	6	10	16	8	11	18	9	14	19	10	14	20	11	15	22	13	16	24
8x8 .363ft/sq	FPM	300			400			500			600			700			800			900			1000			1100		
	CFM	109			145			182			218			254			290			327			363			399		
	SP	0.011			0.011			0.022			0.022			0.032			0.043			0.054			0.076			0.097		
	TP	0.017			0.021			0.038			0.044			0.063			0.083			0.104			0.138			0.172		
	NC	-			-			16			16			22			32			35			37			38		
	3w throw	4	6	11	6	7	14	6	10	17	7	11	18	8	12	19	10	15	21	11	15	22	12	17	23	14	18	26
10x10 .59ft/sq	FPM	300			400			500			600			700			800			900			1000			1100		
	CFM	177			236			295			354			413			472			531			590			649		
	SP	0.011			0.011			0.022			0.027			0.038			0.049			0.065			0.086			0.108		
	TP	0.017			0.021			0.038			0.049			0.069			0.089			0.115			0.148			0.183		
	NC	-			-			16			16			23			32			36			39			41		
	3w throw	6	8	17	8	11	20	9	14	23	11	17	25	13	19	27	15	21	29	17	21	30	18	23	32	20	25	36
12x12 .79ft/sq	FPM	300			400			500			600			700			800			900			1000			1100		
	CFM	237			316			395			474			553			632			711			790			869		
	SP	0.011			0.011			0.022			0.032			0.043			0.054			0.076			0.097			0.119		
	TP	0.017			0.021			0.038			0.054			0.074			0.094			0.126			0.159			0.194		
	NC	-			-			16			17			24			32			37			41			44		
	3w throw	7	11	23	10	15	26	12	19	29	15	23	32	18	25	34	21	26	37	22	28	39	23	29	41	26	32	45
	FPM	300			400			500			600			700			800			900			1000			1100		
	CFM	348			464			580			696			812			928			1044			1160			1276		
14x14 1.16ft/sq	SP	0.011			0.022			0.032			0.043			0.059			0.076			0.092			0.108			0.135		
	TP	0.017			0.032			0.048			0.065			0.090			0.116			0.142			0.170			0.210		
	NC	-			16			18			21			26			33			37			41			44		
	3w throw	8	12	24	11	17	28	14	21	31	17	25	34	19	26	37	22	28	39	23	29	41	25	31	43	28	34	49

Performance Data

SHOEMAKER MANUFACTURING

DVD Series 3-way

16x16 1.42ft/sq	FPM	300			400			500			600			700			800			900			1000			1100			
	CFM	426			568			710			852			994			1136			1278			1420			1562			
	SP	0.022			0.032			0.043			0.054			0.076			0.086			0.103			0.119			0.151			
	TP	0.028			0.042			0.059			0.076			0.107			0.126			0.153			0.181			0.226			
	NC	15			15			21			24			29			36			39			42			46			
	3w throw	10	14	25	12	18	29	15	22	33	18	26	36	21	28	39	23	29	41	25	30	43	26	33	45	29	36	52		
18x18 1.91ft/sq	FPM	300			400			500			600			700			800			900			1000			1100			
	CFM	573			764			955			1146			1337			1528			1719			1910			2101			
	SP	0.025			0.037			0.050			0.062			0.087			0.099			0.118			0.137			0.174			
	TP	0.031			0.047			0.066			0.084			0.118			0.139			0.168			0.199			0.249			
	NC	15			19			24			27			32			39			42			45			50			
	3w throw	11	15	27	14	20	32	17	24	36	20	29	39	23	30	42	26	32	45	27	33	47	29	36	50	32	39	58		
20x20 2.3ft/sq	FPM	300			400			500			600			700			800			900			1000			1100			
	CFM	690			920			1150			1380			1610			1840			2070			2300			2530			
	SP	0.027			0.040			0.054			0.067			0.094			0.107			0.127			0.148			0.188			
	TP	0.033			0.050			0.070			0.089			0.125			0.147			0.177			0.210			0.263			
	NC	16			20			26			29			33			41			45			48			50			
	3w throw	11	16	29	14	21	34	18	26	39	21	31	42	24	32	45	27	34	48	29	35	50	31	39	53	34	42	61		
24x24 3.30ft/sq	FPM	300			400			500			600			700			800			900			1000			1100			
	CFM	990			1320			1650			1980			2310			2640			2970			3300			3630			
	SP	0.029			0.043			0.058			0.072			0.101			0.116			0.138			0.159			0.203			
	TP	0.035			0.053			0.074			0.094			0.132			0.156			0.188			0.221			0.278			
	NC	17			21			27			31			35			44			47			50			50+			
	3w throw	12	17	31	15	22	36	19	27	41	22	32	44	26	34	48	29	36	51	31	37	53	32	41	56	36	44	65		

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