Performance Data

SM-HL Series

Duct Size	Core Eff. Area (ft^2)	Neck Velocity (FPM) / Velocity Pressure	300 / 0.007			400 / 0.011			500 / 0.017			600 / 0.024			700 / 0.034			800 / 0.044			900 / 0.055			1000 / 0.068			1200 / 0.1		
6x6	0.219	CFM	66			88			109			131			153			175			197			219			263		
		NC	<20			20			25			30			30			30			35			35			40		
		Throw	3	4	6	4.5	5	5.5	5.5	6	6.5	6	7	8	7	8	9.5	8	9.5	11	9	11	13	9.5	12	14.5	10.5	13	16
8x8	0.344	CFM	103			138			172			206			241			275			309			344			413		
		NC	<20			20			25			30			30			30			35			35			40		
		Throw	4.5	5	6	5.5	6	6.5	7	7.5	8.5	7.5	9	10.5	9.5	11	12.5	10	12	14	10.5	14	16	12	15	18	13	16	19
10x10	0.469	CFM	141			188			234			281			328			375			422			469			563		
		NC	<20			20			25			30			30			30			35			35			40		
		Throw	5	5.5	6	6.5	7	7.5	7.5	8.5	9.5	8.5	10	11.5	10	12	14	12	14	16	13	16	19	14	17	20	15	19	23
12x12	0.594	CFM	178			238			297			356			416			475			534			594			713		
		NC	<20			25			30			30			30			30			35			35			40		
		Throw	5.5	6	6.5	8	9	10	9.5	10.5	11.5	10	12	14	12	14	16	13.5	16	18	14.5	18	22	16	20	24	17	21	25
14x14	0.719	CFM	216			288			359			431			503			575			647			719			863		
		NC	<20			25			30			30			30			30			35			35			40		
		Throw	6.5	7	7.5	8.5	9.5	10.5	11	12	13	12.5	14.5	17	14.5	17	20	16	19	22	17	21	25	19	24	29	21	26	31
16x16	0.844	CFM	253			338			422			506			591			675			759			844			1013		
		NC	<20			25			30			30			30			30			35			35			40		
		Throw	7	8	9	9.5	10.5	11.5	11.5	13	14.5	13.5	16	18.5	16	19	22	18	21	24	18	23	28	22	27	32	24	30	36
18x18	0.969	CFM	291			388			484			581			678			775			872			969			1163		
		NC	20			25			30			30			35			35			35			40			40		
		Throw	8	9	10	10	11.5	12.5	13.5	15	17	16	18	21	18	21	24	20	24	28	22	27	32	24	30	36	26	33	40
20x20	1.094	CFM	328			438			547			656			766			875			984			1094			1313		
		NC	20			25			30			30			35			35			35			40			40		
		Throw	9	10	11	11.5	13	14.5	16	17	19	16	19	22	20	24	27	23	27	31	24	30	35	26	33	40	29	36	43

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
4) Data obtained from tests conducted in accordance with ANSI/ASHRAE standard 70-2006