

Performance Data



SM-HL Series

Duct Size	Core Eff. Area (ft ²)	Neck Velocity (FPM)		300		400		500		600		700		800		900		1000		1200							
		Velocity	Pressure	0.007	0.011	0.017	0.024	0.034	0.044	0.055	0.068	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
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
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
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
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
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
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
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

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