



PERFORMANCE DATA

InviAir 2 Slot Square Diffuser

		Inlet Velocity (fpm)	50	100	150	200	250	300	350	400	450	500
SIZE		Terminal Velocity (fpm):	50, 100, 150	50, 100, 150	50, 100, 150	50, 100, 150	50, 100, 150	50, 100, 150	50, 100, 150	50, 100, 150	50, 100, 150	50, 100, 150
	12"	Area	CFM	50	100	150	200	250	300	350	400	450
	Factor (Ak)	SP (in., wg)	0.002	0.009	0.019	0.032	0.048	0.068	0.091	0.116	0.144	0.176
		NC	<15	<15	<15	<15	<15	15	20	25	29	32
	0.228	Throw (Ft.)	2,<2,<2	7,3,<2	11,6,3	14,8,5	18,11,6	21,13,8	24,16,10	26,18,12	28,21,14	30,23,17
18"	Area	CFM	113	225	338	450	563	675	788	900	1013	1125
	Factor (Ak)	SP (in., wg)	0.003	0.009	0.018	0.030	0.044	0.060	0.078	0.098	0.120	0.144
		NC	<15	<15	<15	19	24	29	33	36	39	41
	0.478	Throw (Ft.)	6,<2,<2	10,4,2	14,7,4	17,9,6	21,12,8	24,14,10	26,17,12	29,19,14	31,22,16	33,24,18
24"	Area	CFM	200	400	600	800	1000	1200	1400	1600	1800	2000
	Factor (Ak)	SP (in., wg)	0.004	0.014	0.031	0.055	0.084	0.121	0.163	0.212	0.267	0.329
		NC	<15	<15	23	31	38	43	47	>50	>50	>50
	0.744	Throw (Ft.)	7,2,<2	11,4,3	14,7,5	18,10,7	21,12,9	24,15,11	27,18,13	29,20,15	31,23,17	33,26,19

- Note:
1. Performance Data is Based on ASHRAE 70-06
 2. CFM: Standard air density and isothermal condition
 3. Static Pressure (SP): Inches of water gaug
 4. Face Velocity: Face discharge velocity in feet per minute (fpm)
 5. Noise Criteria: NC Level is based on Room Attenuation of 10 db (Sound Power Level Re: 10-12 watts) with one diffuser operatin
 6. Terminal Velocity: Maximum velocity [Vt] in feet per minute at the specified distance from the outlet fac
 7. Throw: Projection distance in feet from the diffuser discharge at which the maximum velocity has been reduced to specified terminal velocity [Vt