



PERFORMANCE DATA



InviAir 2 Slot Round Diffuser

SIZE	Inlet Velocity (fpm)											
	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	50, 100, 150
12"	Area	CFM	39	79	118	157	196	236	275	314	353	393
	Factor (Ak)	SP (in., wg)	0.002	0.008	0.018	0.031	0.047	0.067	0.090	0.116	0.145	0.177
		NC	<15	<15	<15	<15	<15	<15	18	22	26	30
	0.188	Throw (Ft.)	2,<2,<2	4,2,<2	5,3,<2	7,4,2	9,5,3	10,6,4	11,7,4	13,8,5	14,9,6	15,10,7
18"	Area	CFM	88	177	265	353	442	530	619	707	795	884
	Factor (Ak)	SP (in., wg)	0.003	0.010	0.021	0.037	0.056	0.079	0.106	0.136	0.170	0.208
		NC	<15	<15	<15	<15	16	22	28	32	36	40
	0.380	Throw (Ft.)	3,2,<2	5,3,<2	7,5,3	9,6,4	11,8,5	12,9,6	14,10,7	15,11,8	16,12,9	17,13,10
24"	Area	CFM	157	314	471	628	785	942	1100	1257	1414	1571
	Factor (Ak)	SP (in., wg)	0.001	0.007	0.016	0.031	0.052	0.078	0.111	0.150	0.195	0.248
		NC	<15	<15	20	29	37	43	48	>50	>50	>50
	0.612	Throw (Ft.)	4,3,<2	7,4,2	10,6,3	12,7,4	15,9,6	17,10,7	20,12,8	22,13,10	24,14,11	26,15,12

- Note:
1. Performance Data is Based on ASHRAE 70-06
 2. CFM Standard air density and isothermal conditions.
 3. Static Pressure (SP): Inches of water gauge.
 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 operating.
 6. Terminal Velocity: Maximum velocity [Vt] in feet per minute at the specified distance from the outlet face.
 7. Throw: Projection distance in feet from the diffuser discharge at which the maximum velocity has been reduced to specified terminal velocity [Vt].