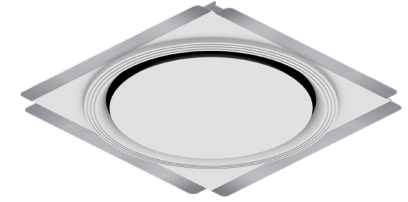




**PERFORMANCE DATA**

**INVAIR 1-SLOT ROUND DIFFUSER, 45° OPENING**



ALL PERFORMANCE DATA FROM TESTING CONDUCTED BY  
INTERTEK GROUP, IN ACCORDANCE WITH ASHRAE 70-06

DIFFUSER SIZE (DIA.)	AREA FACTOR (Ak)	PARAMETERS	PERFORMANCE				
8"	0.058	VOLUME (CFM)	17	35	52	69	87
		STATIC PRESSURE (in. w.g.)	.004	.015	.033	.056	.085
		NOISE CRITERIA	<15	<15	<15	17	21
		THROW (ft. at 50 / 100 / 150 fpm)	<2 / <2 / <2	3 / <2 / <2	4 / <2 / <2	5 / 2 / <2	6 / 3 / <2
12"	0.106	VOLUME (CFM)	39	78	118	157	196
		STATIC PRESSURE (in. w.g.)	.007	.025	.054	.094	.145
		NOISE CRITERIA	<15	<15	<15	16	24
		THROW (ft. at 50 / 100 / 150 fpm)	2 / <2 / <2	4 / <2 / <2	6 / 3 / 2	8 / 5 / 3	10 / 6 / 4
18"	0.213	VOLUME (CFM)	88	176	265	353	441
		STATIC PRESSURE (in. w.g.)	.010	.038	.084	.147	.227
		NOISE CRITERIA	<15	<15	<15	19	30
		THROW (ft. at 50 / 100 / 150 fpm)	3 / <2 / <2	7 / 4 / 3	11 / 7 / 5	14 / 10 / 7	16 / 12 / 9
24"	0.347	VOLUME (CFM)	157	314	471	628	785
		STATIC PRESSURE (in. w.g.)	.010	.039	.084	.146	.223
		NOISE CRITERIA	<15	16	27	35	41
		THROW (ft. at 50 / 100 / 150 fpm)	19 / 8 / 3	22 / 13 / 7	25 / 16 / 10	28 / 19 / 12	32 / 24 / 15

NOTES: Volume (CFM): standard air density and isothermal conditions

Static Pressure: inches of water gauge

Noise Criteria: based on room attenuation of 10dB (sound power level re: 10-12 watts) with 1 diffuser operating

Throw: projection distance in feet from the diffuser discharge at which the maximum velocity has been reduced to the specified terminal velocity

Terminal Velocity: maximum velocity (Vt) in feet per minute, at the specified distance from the outlet face