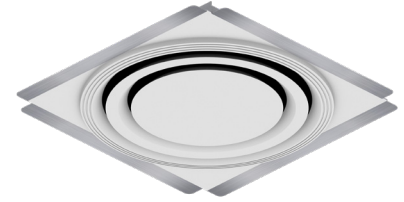




**PERFORMANCE DATA**

**INVAIR 2-SLOT ROUND DIFFUSER, 45° OPENING**



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

DIFFUSER SIZE (DIAMETER)	AREA FACTOR (Ak)	PARAMETERS	PERFORMANCE					
12"	0.188	VOLUME (CFM)	118	157	196	236	275	314
		STATIC PRESSURE (in. w.g.)	.018	.031	.047	.067	.090	.116
		NOISE CRITERIA	<15	<15	<15	18	22	26
		THROW (ft. at 50 / 100 / 150 fpm)	5 / 3 / <2	7 / 4 / 2	9 / 5 / 3	10 / 6 / 4	11 / 7 / 4	13 / 8 / 5
18"	0.380	VOLUME (CFM)	265	353	442	530	619	707
		STATIC PRESSURE (in. w.g.)	.021	.037	.056	.079	.106	.136
		NOISE CRITERIA	<15	<15	16	22	28	32
		THROW (ft. at 50 / 100 / 150 fpm)	7 / 5 / 3	9 / 6 / 4	11 / 8 / 5	12 / 9 / 6	14 / 10 / 7	15 / 11 / 8
24"	0.612	VOLUME (CFM)	314	417	628	785	942	1100
		STATIC PRESSURE (in. w.g.)	.007	.016	.031	.052	.078	.111
		NOISE CRITERIA	<15	20	29	37	43	48
		THROW (ft. at 50 / 100 / 150 fpm)	7 / 4 / 2	10 / 6 / 3	12 / 7 / 4	15 / 9 / 6	17 / 10 / 7	20 / 12 / 8

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