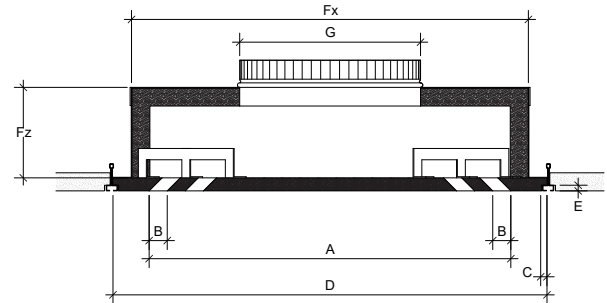
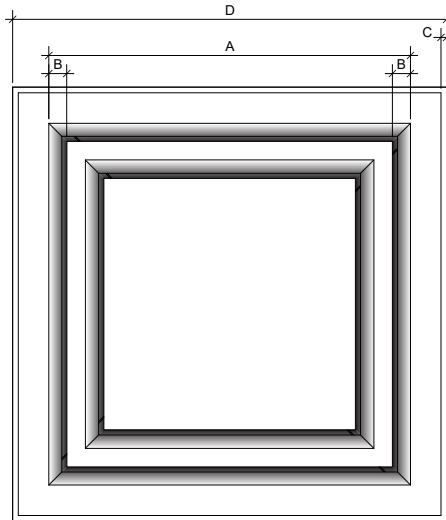


SQUARE DIFFUSERS FOR DROP CEILING MODEL #
TS2402100

KEY FEATURES:

- Simple lay-in installation
- ASTM E-84 Class A rated

NOTES:

- PROVIDE T-BAR SPACING AND T-BAR PROFILE
- Lay diffuser into ceiling grid and connect ductwork
- Plenum box should be included, but it is optional

PRODUCT DIMENSIONS

MODEL #	QTY	# SLOTS	(A) DIFFUSER OPENING	(B) SLOT WIDTH	(C) CUT-AWAY WIDTH (1/2" STD.)	(D) OVERALL PRODUCT DIMENSIONS	(E) CUT-AWAY DEPTH (1/16" STD.)	T-BAR SPACING (24" x 24" STD.)
TS2402100		2	20" x 20"	1"	1/2"	23 3/4" x 23 3/4"	1/16"	24" x 24"

OPTIONAL PLENUM BOX SPECIFICATIONS

(Fx) PLENUM LENGTH	(Fy) PLENUM LENGTH	(Fz) PLENUM HEIGHT (SPECIFY)	QTY	DUCT CONNECTION TYPE	(G) COLLAR SIZE	COLLAR LOCATION (TOP / SIDE)	NOTES / OTHER SPECS
22"	22"						
22"	22"						
22"	22"						
22"	22"						
22"	22"						

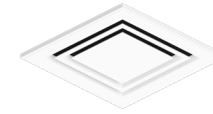
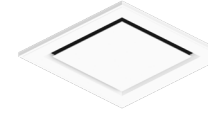
CLIENT	
PROJECT	
ADDRESS	
INVOICE / PO #	
PREPARED BY	

InviAir
67 Guernsey St
Brooklyn, NY 11222
917-909-0343



PERFORMANCE DATA

INVIAIR 1-SLOT, 2-SLOT, AND 3-SLOT SQUARE DIFFUSER, 45° OPENING LAY-IN TILE FOR 24" x 24" GRID CEILING



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

# SLOTS	AREA FACTOR (Ak)	PARAMETERS	PERFORMANCE					
1-SLOT	0.396	VOLUME (CFM)	140	225	305	380	455	600
		STATIC PRESSURE (in. w.g.)	.007	.037	.064	.098	.107	.186
		NOISE CRITERIA	<15	<15	15	22	30	40
		THROW (ft. at 50 / 100 / 150 fpm)	7 / <2 / <2	12 / 8 / 5	14 / 10 / 7	16 / 12 / 9	15 / 11 / 7	19 / 15 / 12
2-SLOT	0.564	VOLUME (CFM)	260	360	410	460	620	800
		STATIC PRESSURE (in. w.g.)	.009	.018	.024	.030	.044	.082
		NOISE CRITERIA	<15	<15	16	19	24	34
		THROW (ft. at 50 / 100 / 150 fpm)	10 / 4 / 2	14 / 7 / 4	15 / 8 / 5	17 / 9 / 6	21 / 12 / 8	26 / 17 / 12
3-SLOT	0.855	VOLUME (CFM)	320	630	790	950	1100	1250
		STATIC PRESSURE (in. w.g.)	.013	.049	.074	.106	.145	.185
		NOISE CRITERIA	<15	15	23	30	35	40
		THROW (ft. at 50 / 100 / 150 fpm)	9 / 2 / <2	12 / 6 / 3	13 / 8 / 5	14 / 10 / 6	17 / 13 / 8	19 / 16 / 10

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