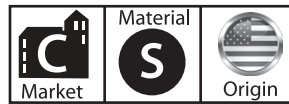
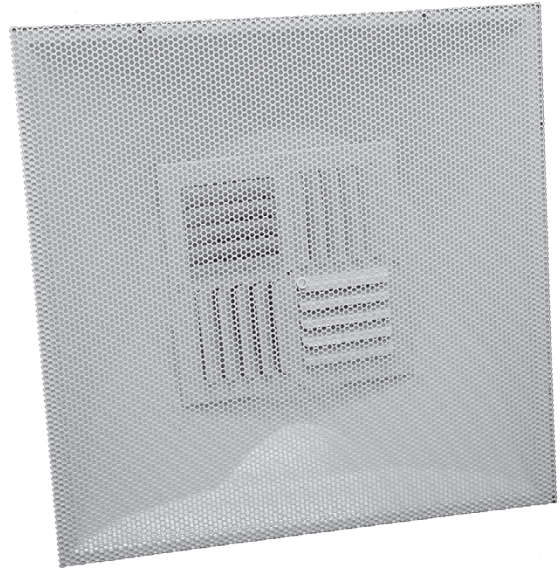


Series 6800/A6800

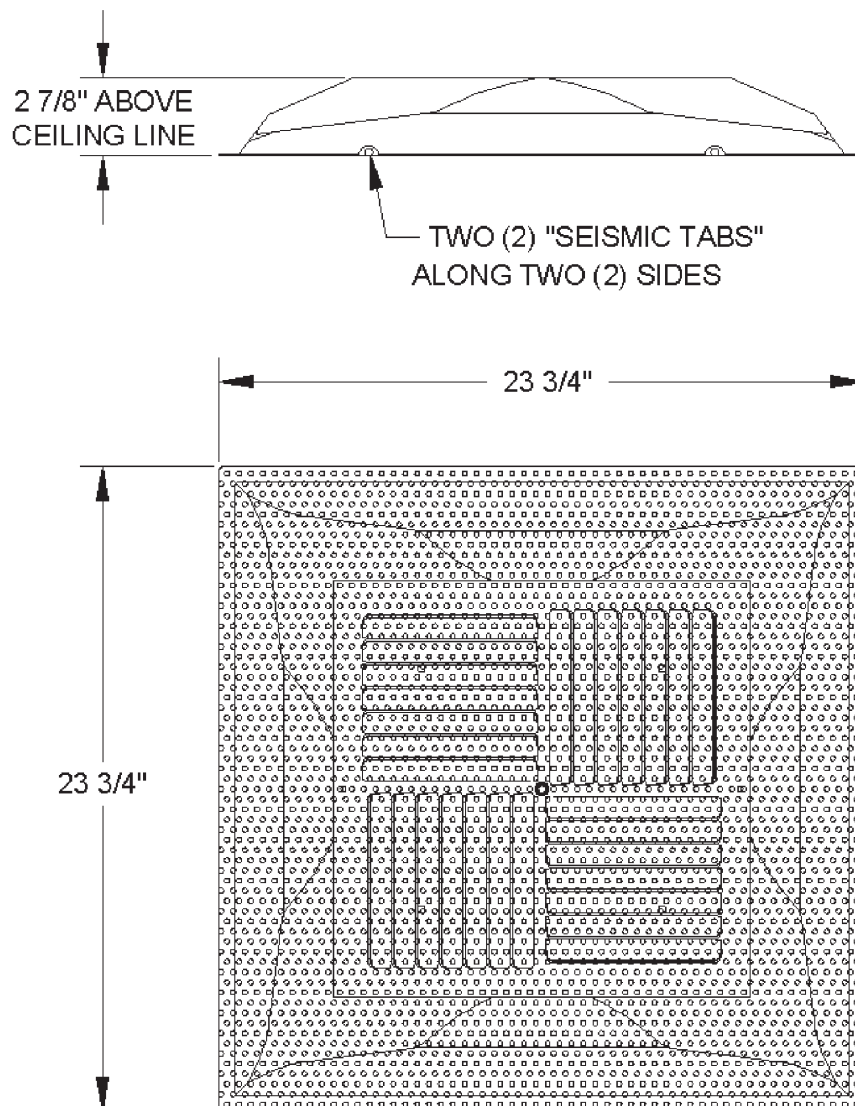
T-bar Diffuser



- Perforated face
- Steel construction (6800)
- Aluminum construction (A6800)
- Fixed collar and no collar models
- Built-in, 4-way, curve blade diffuser
- No insulation
- White finish
- Made in the U.S.A.



Dimensional Drawing



Commercial
T-bar (lay-in)

Performance Data, Series 6800/A6800

Collar Size ↓	Neck Velocity →	400	500	600	700	800	900	1000	1200
6" An .20 Ak .78	Cfm	60	80	100	120	140	160	180	200
	Ps	<.01	.01	.02	.03	.04	.05	.06	.08
	Nc	<20	<20	<20	<20	21	24	28	32
	Throw	4	5	6	7	9	10	12	13
7" An .27 Ak .88	Cfm	81	108	135	162	189	216	243	270
	Ps	<.01	.01	.02	.03	.04	.05	.06	.08
	Nc	<20	<20	21	24	28	33	38	44
	Throw	5	6	7	9	11	12	14	15
8" An .35 Ak .92	Cfm	105	140	175	210	245	280	315	350
	Ps	<.01	.01	.02	.03	.04	.06	.07	.09
	Nc	<20	<20	23	26	31	39	45	45
	Throw	6	7	9	11	12	14	15	17
9" An .44 Ak 1.20	Cfm	132	176	220	264	308	352	396	440
	Ps	.01	.01	.02	.03	.05	.06	.08	.10
	Nc	<20	<20	22	25	34	43	>45	>45
	Throw	7	8	10	13	15	17	19	22
10" An .55 Ak 1.20	Cfm	165	220	275	330	385	440	495	550
	Ps	.01	.02	.03	.04	.06	.07	.09	.11
	Nc	<20	<20	21	26	34	40	42	>45
	Throw	8	10	13	16	18	21	24	26
12" An .79 Ak 1.65	Cfm	237	316	395	474	553	632	711	790
	Ps	.01	.02	.03	.04	.06	.08	.10	.12
	Nc	<20	20	25	33	40	45	>45	>45
	Throw	10	12	16	19	21	24	27	29
14" An 1.07 Ak 2.06	Cfm	321	428	535	642	749	856	963	1070
	Ps	.01	.02	.03	.05	.06	.08	.11	.13
	Nc	<20	20	25	30	38	44	>45	>45
	Throw	11	14	19	22	25	28	31	34

Terminal velocity = 75 fpm

An = Neck (collar) Area. Measured in square feet.

Ak = Effective Area. The calculated area of the outlet based on average, measured velocity between fins. Measured in square feet.

Neck Velocity = Velocity of air flow through the nominal area of the duct connection to the diffuser assembly. Measured in feet per minute.

Cfm = Air flow rate. Volume of air moving past a given plane per unit of time. Measured in cubic feet per minute.

Ps = Static Pressure. The normal, outward force of air within a duct. Measured in inches of H₂O.

Nc = Discharge acoustical noise, based on 10 dB room absorption. Measured to the nearest 1.0 dB

Throw = Distance the air stream travels from the outlet to a point where terminal velocity is reached. Measured in feet.