

**Models SFEA and SFTA**

**12" x 12" Nominal Louvered Face**

Neck Size		Duct Velocity - FPM								
		400	500	600	700	800	900	1000	1200	1400
5 Ak .120	CFM	54	67	82	95	108	122	136	162	190
	Pt	.04	.05	.07	.10	.13	.16	.19	.26	.41
	Throw 150 fpm	1	1	1	1.5	1.5	2	2	3	3
	Throw 50 fpm	2	2.5	3	3.5	4	5	5.5	6	7
	NC	L	L	L	22	26	29	32	36	42
6 Ak .140	CFM	80	100	120	140	160	180	200	235	275
	Pt	.03	.04	.06	.09	.12	.15	.17	.25	.39
	Throw 150 fpm	1	1	1.5	2	2	2.5	3	3.5	4
	Throw 50 fpm	2.5	3	3.5	4	5	5.5	6	7	8.5
	NC	L	L	L	20	24	27	30	34	40
7 Ak .170	CFM	105	135	160	190	215	240	270	320	375
	Pt	.02	.04	.06	.09	.10	.13	.16	.23	.33
	Throw 150 fpm	1.5	2.5	3	3.5	4	4.5	5	5.5	6
	Throw 50 fpm	6	7.5	8.5	10	10.5	11	12	13	15
	NC	L	L	L	L	23	26	28	33	38

**Models SFEA and SFTA**

**18" x 18" Nominal Louvered Face**

Neck Size		Duct Velocity - FPM								
		400	500	600	700	800	900	1000	1200	1400
6 Ak .220	CFM	80	100	120	140	160	180	200	235	275
	Pt	.01	.02	.03	.04	.05	.06	.08	.11	.18
	Throw 150 fpm	1	1	1	1.5	2	2.5	3	3.5	4
	Throw 50 fpm	3	4	5	6	7	7.5	8	9.5	10.5
	NC	L	L	L	L	20	23	27	31	37
7 Ak .250	CFM	110	135	160	185	215	240	270	320	375
	Pt	.01	.02	.03	.04	.05	.07	.09	.13	.21
	Throw 150 fpm	1	2	2.5	3	3.5	4	4.5	5	6
	Throw 50 fpm	4	6	7	8	8.5	9	9.5	10.5	12
	NC	L	L	L	L	21	25	29	34	39
8 Ak .270	CFM	140	175	210	245	280	315	350	420	490
	Pt	.01	.02	.04	.05	.06	.08	.10	.15	.23
	Throw 150 fpm	1.5	2.5	3	3.5	4.5	5	6	7	8
	Throw 50 fpm	6	7	7.5	8	9	10	10.5	11	12
	NC	L	L	L	L	23	27	31	37	43
10 Ak .380	CFM	220	270	330	380	435	490	595	655	765
	Pt	.02	.03	.04	.06	.08	.10	.14	.19	.29
	Throw 150 fpm	2	3	4	4.5	5	5.5	6	7	8.5
	Throw 50 fpm	7	8.5	10	12	14	15	16	17.5	19
	NC	L	L	20	24	28	32	36	41	46
12 Ak .480	CFM	315	390	470	550	630	705	785	940	1100
	Pt	.02	.04	.05	.07	.10	.12	.15	.23	.33
	Throw 150 fpm	3.5	4	5	6	7	8	9	10	12
	Throw 50 fpm	10	12	13	15	16	16.5	17	18.5	20
	NC	L	L	L	23	27	32	36	42	48

**Notes on Performance Data**

- Performance data is based on tests conducted in accordance with ANSI/ASHRAE Standard 70-1991.
- Actual performance in the field may vary.
- Tests were conducted in isothermal conditions.
- Sound levels are based on a room absorption of 10 db re 10<sup>-12</sup> watts.

**Notes on Units of Measure Used**

- Air flow is given in cubic feet per minute (CFM).
- Static Pressure is given in inches of water (w.g.).
- Sound data is given in NC.
- L indicates an NC below 20.

Sq. & Rect. Louvered Diffusers