

## PERFORMANCE DATA - Remote Activated Diffuser (SRAD)

### Model SRAD

#### 24" x 24" Nominal Louvered Face

Neck Size	Horizontal	Duct Velocity - FPM								
		400	500	600	700	800	900	1000	1200	1400
6 Ak .180	CFM	75	94	113	132	150	169	188	226	263
	Pt	.014	.023	.034	.047	.062	.079	.099	.145	.198
	Throw 150 fpm	1	2	2.5	3	3.5	3.5	4	4.5	5
	Throw 50 fpm	4	5	6	7	8	9	9.5	10	11
	NC	L	L	L	L	L	20	24	30	35
8 Ak .270	CFM	135	169	203	237	270	304	338	406	473
	Pt	.018	.029	.042	.058	.076	.097	.120	.173	.236
	Throw 150 fpm	2	3	3.5	4	4.5	5	5.5	6	8
	Throw 50 fpm	7	9	10	11	12	13	14	15	16
	NC	L	L	L	L	20	23	26	32	36
10 Ak .370	CFM	213	266	319	372	426	479	532	638	745
	Pt	.028	.032	.047	.066	.087	.113	.141	.207	.288
	Throw 150 fpm	3	4	4.5	5	6	7	7.5	8	10
	Throw 50 fpm	8	11	12	13	15	15.5	16	18	19
	NC	L	L	L	20	25	30	34	40	48
12 Ak .450	CFM	308	385	461	538	615	692	769	923	1077
	Pt	.032	.048	.071	.101	.135	.176	.222	.333	.420
	Throw 150 fpm	4	5	6	7	8	9	10	11	12
	Throw 50 fpm	12	15	15.5	16	18	19	20	22	24
	NC	L	L	23	30	35	39	43	50	56
14 Ak .520	CFM	420	525	630	735	840	945	1050	1260	1470
	Pt	.042	.068	.101	.140	.185	.230	.285	.420	.550
	Throw 150 fpm	6	7	9	10	11	13	14	15	16
	Throw 50 fpm	15	17	19	20	21	22	24	26	28
	NC	L	20	26	32	37	42	46	53	58
16 Ak .610	CFM	548	685	822	959	1096	1233	1370	1644	1918
	Pt	.056	.089	.129	.177	.233	.297	.367	.534	.731
	Throw 150 fpm	6	7	11	13	14	15	16	18	19
	Throw 50 fpm	18	20	21	24	25	26	29	30	33
	NC	L	23	29	34	39	43	47	54	59

#### 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.

#### Correction Factors

Damper Open (%)	100	80	60	40
Percentage of Full Open Air Flow	100	83	61	36
NC Change	0	0	+1	+3
Pressure	No Change	No Change	No Change	No Change

