

THERMAL PRODUCTS CORPORATION

EFS-24 PERFORMANCE DATA

SIZE	AIR FLOW CFM	NECK VELOCITY FPM	PRESSURE (In. W.G.)		NOISE CRITERIA NC	THROW Vt=150 FPM	THROW Vt=100 FPM	THROW Vt=75 FPM
			TP	SP				
8"	100	286	0.02	.015	<20	1	2	3
	150	430	0.04	.028	<20	2	3	4
	200	580	0.07	.049	21	3	4	5
	250	715	0.11	.078	27	4	5	7
	300	860	0.16	.114	32	4	7	9
	350	1005	0.22	.157	36	5	8	10
	400	1145	0.29	.208	39	6	9	12
	500	1430	0.46	.332	45	8	11	16
10"	200	366	0.03	.022	<20	2	3	5
	250	458	0.05	.037	<20	3	4	6
	300	550	0.07	.051	21 4	5	7	
	400	734	0.12	.086	28 5	7	10	
	500	917	0.19	.137	34 6	9	12	
	600	1100	0.28	.204	39 7	11	14	
	700	1284	0.38	.277	43 9	13	17	
	800	1468	0.50	.365	47 11	15	20	
12"	300	382	0.04	.031	<20 3	4	6	
	400	509	0.07	.054	23 4	6	8	
	500	636	0.10	.075	29 5	7	10	
	600	763	0.15	.114	33 6	9	12	
	700	890	0.20	.151	37 7	10	14	
	800	1018	0.26	.195	41 8	12	16	
	900	1145	0.33	.248	44 9	13	18	
	1000	1272	0.41	.309	47 10	15	20	
14"	400	374	0.04	.031	<20	3	5	7
	500	468	0.07	.056	22 4	6	8	
	600	561	0.10	.080	27 5	8	10	
	700	654	0.14	.113	31 6	9	12	
	800	748	0.18	.145	34 7	10	13	
	1000	935	0.28	.225	40 8	13	17	
	1200	1122	0.40	.321	45 10	15	20	
	1400	1308	0.55	.443	50 12	18	24	

Notes:

1. **Performance** based on ADC test code 1062 GRD-84.
2. **Throw:** Distance in feet radially from the diffuser center at which the maximum velocity has been reduced to a specified terminal velocity (Vt).
3. **Terminal Velocity:** Maximum velocity (Vt) in feet per minute at the specified distance from the diffuser center.
4. **Air Flow:** In cubic feet per minute at standard air conditions and isothermal conditions.
5. **Total & Static Pressure:** In inches of water gauge.
6. **Noise Criteria:** Noise criteria (nc) curve which is not exceeded with a room attenuation of 10db and based on a sound power level. RE: 10-12 watts..