

THERMAL PRODUCTS CORPORATION

VFS-24 PERFORMANCE DATA

SIZE	AIR	NECK	PRESSURE		NOISE	THROW	THROW	THROW
	FLOW	VELOCITY	(In. W.G.)		CRITERIA	Vt=150	Vt=100	Vt=75
	CFM	FPM	TP	SP	NC	FPM	FPM	FPM
	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
8"	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
	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
10"	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
	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
12"	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
	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
14"	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.