VFSD Archtectural Performance Data
24x24 Modules

	Air Flow CFM	Neck Velocity FPM	Total Pressure in W..G.	Static Pressure in. W.G.	Noise Criteria NC	Throw Vt=150 Ft.	Throw Vt=100 Ft.	Throw Vt=75 Ft.
Size 8"	100	286	0.02	0.015	<20	1	2	3
	150	430	0.06	0.048	<20	2	3	4
	200	580	0.10	0.079	<20	3	4	5
	250	715	0.16	0.128	23	4	5	7
	300	860	0.23	0.184	30	4	7	9
	350	1005	0.31	0.247	36	5	8	10
	400	1145	0.40	0.337	41	6	9	12
Size 10”	200	366	0.05	0.042	<20	3	4	6
	300	550	0.11	0.091	<20	4	5	7
	400	734	0.20	0.166	24	5	7	10
	500	917	0.30	0.247	37	6	9	12
	600	1100	0.43	0.354	44	7	11	14
Size 12"	300	382	0.08	0.074	<20	3	4	6
	400	509	0.13	0.114	21	4	6	8
	500	636	0.21	0.185	29	5	7	10
	600	763	0.31	0.274	35	6	9	12
	700	890	0.41	0.360	41	7	10	14
	800	1018	0.54	0.475	45	8	12	16
Size 14"	400	374	0.08	0.071	<20	3	5	7
	500	468	0.13	0.116	<20	4	6	8
	600	561	0.18	0.160	21	5	8	10
	700	654	0.25	0.223	27	6	9	12
	800	748	0.33	0.295	32	7	10	13
	1000	935	0.51	0.455	40	8	13	17
	1100	1028	0.60	0.534	43	9	14	18

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.