



A CSW Industrials Company

PERFORMANCE DATA SHEET

TRUAIRE MODELS
150MB/MW

Floor Grille																
Duct		CFM														
Size		50	75	100	125	150	175	200	225	250	275	300	325	350	375	400
2x8	Pressure Loss(In. W.G.)	0.02	0.05	0.07	0.12											
Free Area	Horiz. Spread(Ft.)	6.5	9.5	12.5	14.5											
13 SQ. IN.	Vertical Throw(Ft.)	4.0	6.0	7.5	8.5											
	Avg. Face Vel.(FPM)	576	864	1152	1440											
2x10	Pressure Loss(In. W.G.)	0.017	0.037	0.067	0.124	0.178	0.243									
Free Area	Horiz. Spread(Ft.)	6.5	9.5	12.5	14	17	20									
16 SQ. IN.	Vertical Throw(Ft.)	3.5	5.5	7.5	8.5	10	12									
	Avg. Face Vel.(FPM)	450	676	902	1218	1461	1704									
2x12	Pressure Loss(In. W.G.)	0.01	0.024	0.042	0.077	0.111	0.151	0.198								
Free Area	Horiz. Spread(Ft.)	6	8.5	11.5	13	15.5	18	20.5								
19 SQ. IN.	Vertical Throw(Ft.)	3.5	5	6.5	7.5	9	10.5	12								
	Avg. Face Vel.(FPM)	379	568	758	1033	1240	1447	1653								
2x14	Pressure Loss(In. W.G.)	0.009	0.02	0.036	0.069	0.099	0.135	0.175	0.222							
SQ. IN.	Horiz. Spread(Ft.)	5.5	8	10.5	12	14	16.5	19	21							
22 SQ. IN.	Vertical Throw(Ft.)	3	4.5	6	7	8.5	10	11	12.5							
	Avg. Face Vel.(FPM)	327	490	654	880	1162	1355	1549	1743							
4x10	Pressure Loss(In. W.G.)	0.004	0.009	0.016	0.025	0.036	0.049	0.063	0.081	0.099	0.117	0.140				
Free Area	Horiz. Spread(Ft.)	5.0	7.0	9.5	11.5	14.0	16.5	19.0	21.0	23.5	26.0	28.0				
28 SQ. IN.	Vertical Throw(Ft.)	3.0	4.0	5.5	7.0	8.0	9.5	11.0	12.0	13.5	15.0	16.5				
	Avg. Face Vel.(FPM)	258	387	516	644	773	902	1031	1160	1289	1418	1547				
4x12	Pressure Loss(In. W.G.)	0.003	0.007	0.013	0.020	0.029	0.040	0.051	0.065	0.080	0.097	0.111	0.130			
Free Area	Horiz. Spread(Ft.)	4.5	6.5	8.5	10.5	12.5	15.0	17.0	19.0	21.5	23.5	25.5	27.5			
34 SQ. IN.	Vertical Throw(Ft.)	2.5	3.5	5.0	6.0	7.5	8.5	10.0	11.5	12.5	13.5	15.0	16.0			
	Avg. Face Vel.(FPM)	212	318	424	530	636	742	848	954	1060	1165	1271	1377			
4x14	Pressure Loss(In. W.G.)		0.005	0.009	0.014	0.019	0.027	0.034	0.044	0.053	0.065	0.076	0.090	0.102	0.118	0.131
Free Area	Horiz. Spread(Ft.)		6.0	8.0	10.0	12.0	14.0	16.0	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32
40 SQ. IN.	Vertical Throw(Ft.)		3.5	4.5	6.0	7.0	8.0	9.0	10.0	11.5	12.5	13.5	15.0	16.0	17.0	18
	Avg. Face Vel.(FPM)		270	360	450	540	630	720	810	900	990	1079	1169	1259	1349	1439
6x8	Pressure Loss(In. W.G.)	0.003	0.007	0.013	0.020	0.029	0.040	0.051	0.065	0.080	0.097	0.111	0.130			
Free Area	Horiz. Spread(Ft.)	4.5	6.5	8.5	10.5	12.5	15.0	17.0	19.0	21.5	23.5	25.5	27.5			
34 SQ. IN.	Vertical Throw(Ft.)	2.5	3.5	5.0	6.0	7.5	8.5	10.0	11.5	12.5	13.5	15.0	16.0			
	Avg. Face Vel.(FPM)	212	318	424	530	636	742	848	954	1060	1165	1271	1377			
6x10	Pressure Loss(In. W.G.)			0.006	0.009	0.013	0.018	0.023	0.030	0.036	0.044	0.052	0.062	0.071	0.082	0.093
Free Area	Horiz. Spread(Ft.)			7.5	9.5	11.5	13.0	15.0	17.0	19.0	20.5	22.5	24.5	26.0	28.0	30.0
43 Sq.IN.	Vertical Throw(Ft.)			4.5	5.5	6.5	7.5	8.5	10.0	11.0	12.0	13.0	14.0	15.5	16.5	17.5
	Avg. Face Vel.(FPM)			334	418	502	585	669	753	837	920	1004	1087	1170	1253	1337

TRUAIRE MODELS

150MB/MW

6x12	Pressure Loss(In. W.G.)			0.005	0.008	0.012	0.016	0.021	0.027	0.033	0.040	0.047	0.056	0.064	0.074	0.084
Free Area	Horiz. Spread(Ft.)			7.0	8.5	10.0	12.0	13.5	15.5	17.0	19.0	20.5	22.0	24.0	25.5	27.5
51 SQ. IN.	Vertical Throw(Ft.)			4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0
	Avg. Face Vel.(FPM)			282	353	423	494	565	635	706	777	847	918	989	1059	1130
6x14	Pressure Loss(In. W.G.)			0.004	0.007	0.010	0.014	0.018	0.023	0.028	0.035	0.041	0.048	0.056	0.064	0.073
Free Area	Horiz. Spread(Ft.)			6.5	8.0	9.5	11.0	12.5	14.0	15.5	17.0	19.0	20.5	22.0	23.5	25.0
59 SQ. IN.	Vertical Throw(Ft.)			3.5	4.5	5.5	6.5	7.5	8.0	9.0	10.0	11.0	12.0	13.0	13.5	14.5
	Avg. Face Vel.(FPM)			244	305	366	427	488	549	610	671	732	793	854	915	976