

Performance Data

150MB/MW

Floor Grille

Duct Size		CFM															
		50	75	100	125	150	175	200	225	250	275	300	325	350	375	400	
2x8 Free Area 13 SQ. IN.	Pressure Loss(In. W.G.)	0.02	0.05	0.07	0.12												
	Horiz. Spread(Ft.)	6.5	9.5	12.5	14.5												
	Vertical Throw(Ft.)	4.0	6.0	7.5	8.5												
	Avg. Face Vel.(FPM)	576	864	1152	1440												
2x10 Free Area 16 SQ. IN.	Pressure Loss(In. W.G.)	0.017	0.037	0.067	0.124	0.178	0.243										
	Horiz. Spread(Ft.)	6.5	9.5	12.5	14	17	20										
	Vertical Throw(Ft.)	3.5	5.5	7.5	8.5	10	12										
	Avg. Face Vel.(FPM)	450	676	902	1218	1461	1704										
2x12 Free Area 19 SQ. IN.	Pressure Loss(In. W.G.)	0.01	0.024	0.042	0.077	0.111	0.151	0.198									
	Horiz. Spread(Ft.)	6	8.5	11.5	13	15.5	18	20.5									
	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 SQ. IN. 22 SQ. IN.	Pressure Loss(In. W.G.)	0.009	0.02	0.036	0.069	0.099	0.135	0.175	0.222								
	Horiz. Spread(Ft.)	5.5	8	10.5	12	14	16.5	19	21								
	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 Free Area 28 SQ. IN.	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					
	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					
	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 Free Area 34 SQ. IN.	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				
	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				
	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 Free Area 40 SQ. IN.	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	
	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	
	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 Free Area 34 SQ. IN.	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				
	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				
	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 Free Area 43 Sq.IN.	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	
	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	
	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	
6x12 Free Area 51 SQ. IN.	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	
	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	
	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 Free Area 59 SQ. IN.	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	
	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	
	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	