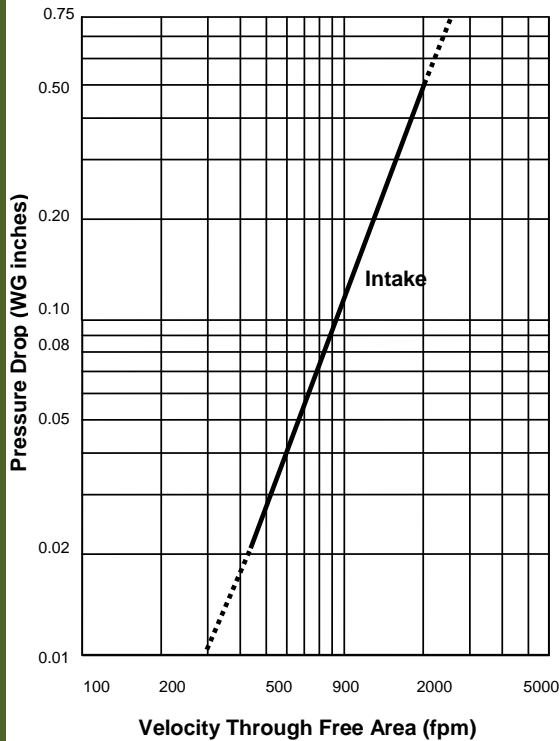


Free Area Calculations (Sq. ft.)

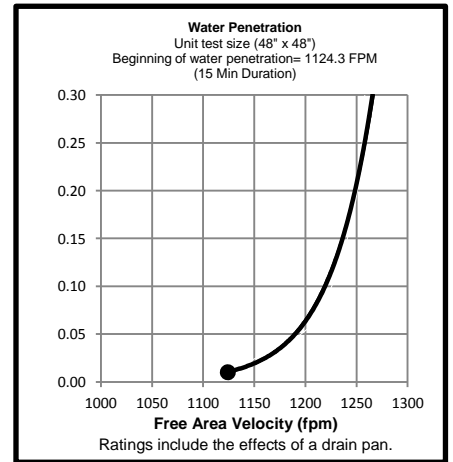
		W I D T H (inches)														
		12	18	24	30	36	42	48	54	60	66	72	78	84	90	96
H E I G H T (inches)	12	0.15	0.24	0.33	0.41	0.50	0.59	0.68	0.76	0.85	0.94	1.03	1.11	1.20	1.29	1.38
	18	0.46	0.72	0.98	1.24	1.51	1.77	2.03	2.29	2.55	2.82	3.08	3.34	3.60	3.86	4.13
	24	0.76	1.20	1.64	2.07	2.51	2.95	3.38	3.82	4.26	4.69	5.13	5.57	6.00	6.44	6.88
	30	1.07	1.68	2.29	2.90	3.52	4.13	4.74	5.35	5.96	6.57	7.18	7.80	8.41	9.02	9.63
	36	1.22	1.92	2.62	3.32	4.02	4.72	5.42	6.11	6.81	7.51	8.21	8.91	9.61	10.31	11.01
	42	1.53	2.40	3.28	4.15	5.02	5.90	6.77	7.64	8.52	9.39	10.26	11.14	12.01	12.88	13.76
	48	1.83	2.88	3.93	4.98	6.03	7.07	8.12	9.17	10.22	11.27	12.32	13.36	14.41	15.46	16.51
	54	1.99	3.12	4.26	5.39	6.53	7.66	8.80	9.94	11.07	12.21	13.34	14.48	15.61	16.75	17.88
	60	2.29	3.60	4.91	6.22	7.53	8.84	10.15	11.46	12.77	14.08	15.39	16.70	18.01	19.32	20.64
	66	2.60	4.08	5.57	7.05	8.54	10.02	11.51	12.99	14.48	15.96	17.45	18.93	20.42	21.90	23.39
	72	2.90	4.56	6.22	7.88	9.54	11.20	12.86	14.52	16.18	17.84	19.50	21.16	22.82	24.48	26.14
	78	3.06	4.80	6.55	8.30	10.04	11.79	13.54	15.29	17.03	18.78	20.53	22.27	24.02	25.77	27.51
	84	3.36	5.28	7.21	9.13	11.05	12.97	14.89	16.81	18.74	20.66	22.58	24.50	26.42	28.34	30.26
	90	3.67	5.76	7.86	9.96	12.05	14.15	16.25	18.34	20.44	22.53	24.63	26.73	28.82	30.92	33.02
96	3.82	6.00	8.19	10.37	12.56	14.74	16.92	19.11	21.29	23.47	25.66	27.84	30.02	32.21	34.39	
102	4.13	6.49	8.84	11.20	13.56	15.92	18.28	20.64	22.99	25.35	27.71	30.07	32.43	34.78	37.14	
108	4.43	6.97	9.50	12.03	14.56	17.10	19.63	22.16	24.70	27.23	29.76	32.30	34.83	37.36	39.89	
114	4.74	7.45	10.15	12.86	15.57	18.28	20.98	23.69	26.40	29.11	31.82	34.52	37.23	39.94	42.65	
120	4.89	7.69	10.48	13.28	16.07	18.87	21.66	24.46	27.25	30.05	32.84	35.64	38.43	41.23	44.02	

Air Performance

Unit test size (48" x 48")
 Airflow rate at standard air density
 and the AMCA figure 5.5



Air Flow Company Inc. certifies that the model: EA-413 louver shown herein is licensed to bear the AMCA Seal. The ratings shown are based on tests & procedures performed in accordance with AMCA Publication 511 and comply with the requirements of the AMCA Certified Ratings Program. The AMCA Certified Ratings Seal applies to water penetration and air performance ratings only.
 (Louver tested without bird screen)



- ◆ To determine the pressure drop of a louver: Calculate the Velocity thru free area; divide the required CFM (volume of air) by the required free area chart above. The pressure drop is expressed in (inches w.g.)
- ◆ To determine the minimum free area required for louver: Divide the required CFM (volume of air) by the free area velocity before water penetration, then select the most desirable louver size from the free area chart above.
- ◆ To determine the maximum CFM (volume), knowing the louver size: Multiply the required free area (see free area chart above) by maximum velocity thru free area.