



**EXTRUDED ALUMINUM LOUVER**

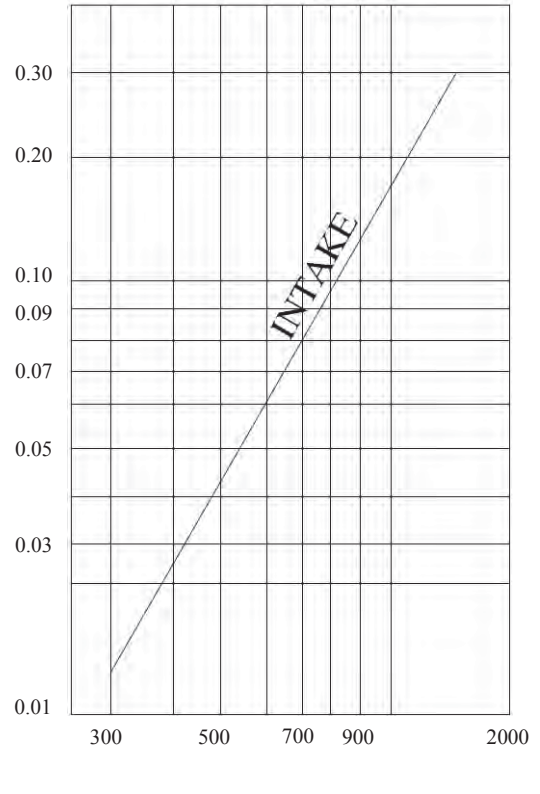
**MODEL: 6-DL & 6-DLF  
PRESSURE DROP**

Water Penetration: 0.01oz (3.0g) at 1250 (6.35m/s) fpm recommended free area velocity.  
 Pressure Drop: 0.21in.wg. at 1250 fpm and 11550 SCFM  
 Free Area: 9.24 sq.ft. = 58% for 48"x48" test size

Velocity Through Free Area FPM standard air: 0.075 lbs per cu. ft.  
 Ratings do not include bird screen effect.

Below is an explanation of how to use the Data for the recommended Free Area Velocity of 1250 fpm.

Louver size determination		
air flow volume	free area velocity @ beginning point of water penetration	Required Louver Free Area
cfm /	fpm =	ft <sup>2</sup>
<b>Select louver size from Free Area Chart below, based on required louver free area above</b> <b>Determine pressure drop from Pressure Drop Chart based on required louver free area above</b>		



**FREE AREA IN SQ.FT.**  
**WIDTH**

HEIGHT	WIDTH												
	INCHES	12	24	36	48	60	72	84	96	108	120	132	144
12	0.18	0.43	0.69	0.94	1.16	1.42	1.67	1.93	2.15	2.41	2.66	2.92	
24	0.69	1.70	2.70	3.71	4.59	5.59	6.60	7.60	8.48	9.49	10.49	11.50	
36	1.21	2.96	4.72	6.47	8.01	9.76	11.52	13.27	14.81	16.56	18.32	20.07	
48	1.72	4.28	6.73	9.24	11.43	13.93	16.44	18.95	21.14	23.64	26.15	28.65	
60	2.24	5.49	8.75	12.00	14.85	18.11	21.36	24.62	27.47	30.72	33.98	37.23	
72	2.75	6.76	10.76	14.77	18.27	22.28	26.28	30.29	33.79	37.80	41.80	45.81	
84	3.27	8.02	12.78	17.53	21.70	26.45	31.21	35.96	40.12	44.88	49.63	54.39	
96	3.78	9.29	14.80	20.30	25.12	30.62	36.13	41.63	46.45	51.96	57.46	62.97	
108	4.30	10.56	16.81	23.07	28.54	34.79	41.05	47.30	52.78	59.03	65.29	71.54	
120	4.82	11.82	18.83	25.83	31.96	38.97	45.97	52.98	59.11	66.11	73.12	80.12	
132	5.33	13.09	20.84	28.60	35.38	43.14	50.89	58.65	65.43	73.19	80.94	88.70	
144	5.85	14.35	22.86	31.36	38.80	47.31	55.82	64.32	71.76	80.27	88.77	97.28	

