



**EXTRUDED ALUMINUM LOUVER**

**MODEL: 4-DL 33° & 4-DLF 33°**

Water Penetration: 0.01oz (3.0g) at 1001 fpm recommended free area velocity.

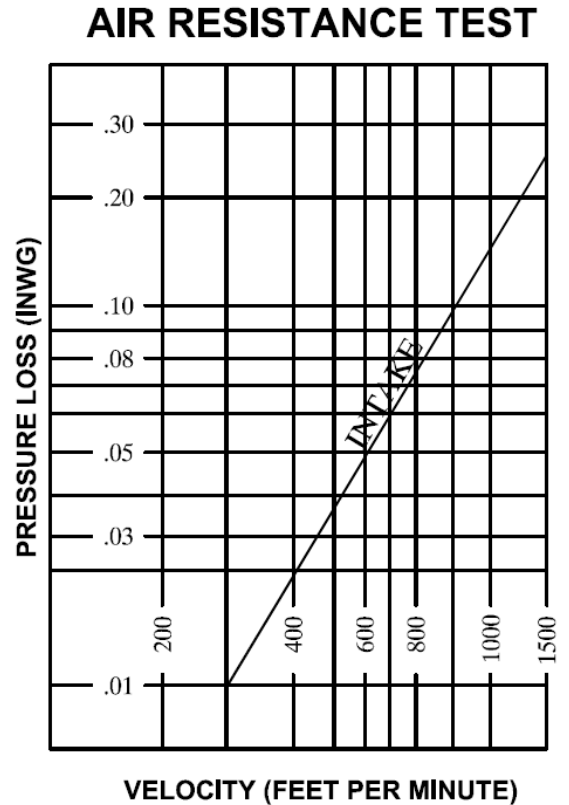
Pressure Drop: 0.125 in.wg. at 1001 fpm and 8668 SCFM

Free Area: 8.66 sq.ft. = 54% 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 1001 fpm.

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



**FREE AREA IN SQ.FT.**

**WIDTH**

**HEIGHT**

INCHES	12	24	36	48	60	72	84	96
12	0.26	0.63	1.1	1.38	1.75	2.08	2.45	2.83
24	0.7	1.73	2.75	3.77	4.79	5.69	6.71	7.74
36	1.16	2.85	4.55	6.24	7.93	9.41	11.1	12.79
48	1.61	3.96	6.31	8.66	11.02	13.06	15.41	17.76
60	2.08	5.05	8.05	11.04	14.03	16.65	19.65	22.64
72	2.51	6.16	9.81	13.46	17.11	20.3	23.95	27.6
84	2.96	7.26	11.56	15.86	20.17	23.93	28.23	32.53
96	3.41	8.36	13.32	18.27	23.23	27.56	32.52	37.48

