

# Extruded Aluminum Louver

**IL75**

7" Deep • Chevron Drainable Blade • Sightproof • Wind Driven Rain Stationary Louver

## STANDARD CONSTRUCTION

- EXTERIOR FRAME:** .080" thick; 6063-T6/T52 extruded aluminum alloy
- BLADES:** .080" thick; 6063-T6/T52 extruded aluminum alloy
- ASSEMBLY:** Mechanically fastened
- SCREEN:** 1/2" x .051" flattened aluminum birdscreen
- FINISH:** Mill

## OPTIONS

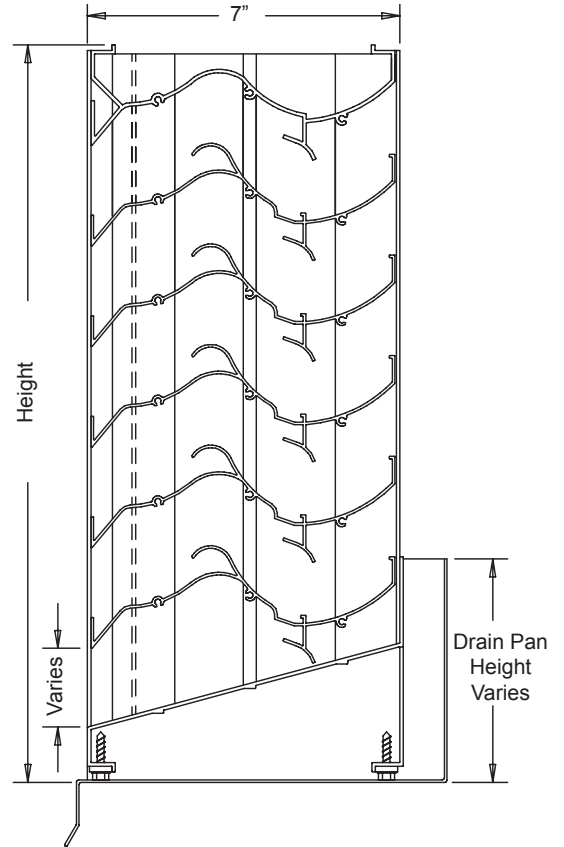
- Finish - Baked Enamel, Kynar, or Anodize
- Variety of Bird and Insect Screen
- 1 3/8" Usable Flange Frame (3 Sides Only, Not on Sill)
- Welded Construction
- Blank-off Panels

## NOTES

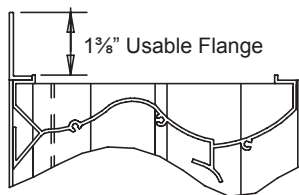
1. "A" width and "B" height are opening dimensions. Louvers are provided 1/2" undercut.
2. Shipping weight approximately 9 lbs./sq.ft.

## LOUVER SIZE

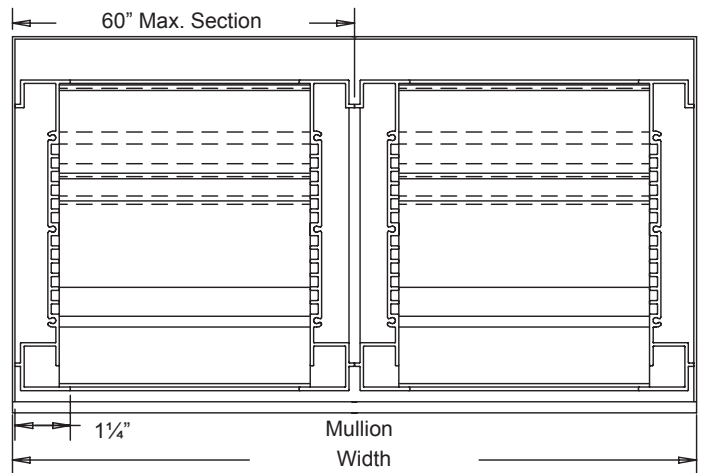
Panels	Min Panel	Max Single Panel
IL75	12"W x 12"H	30 sq.ft



Section View



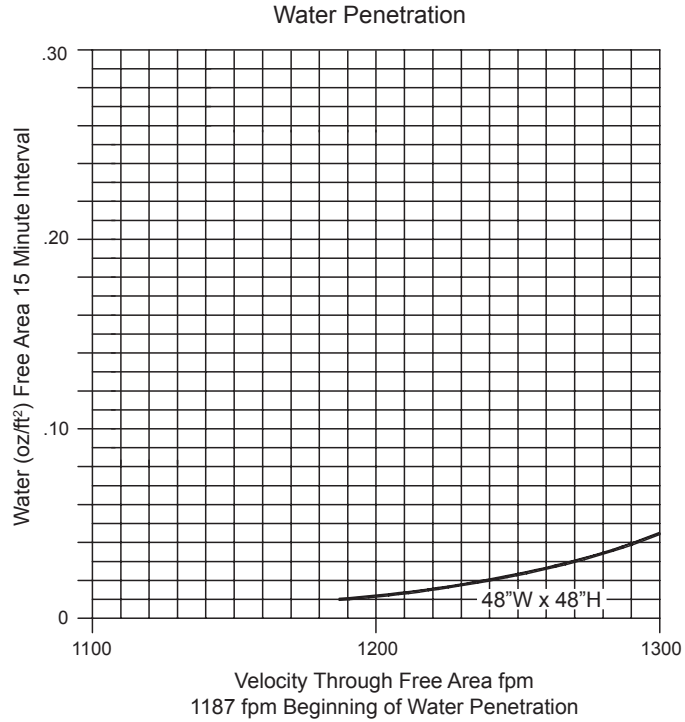
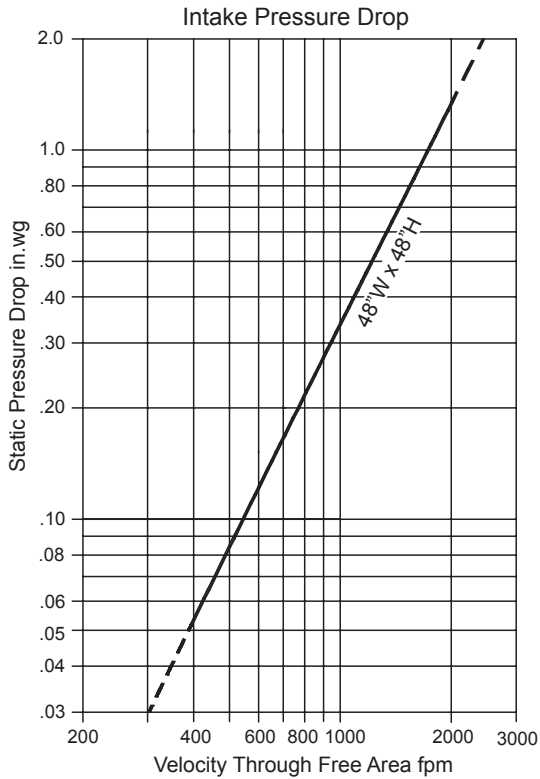
Optional Flange Frame



**Louvers & Dampers**  
A Microtek Company

Pressure Drop: 0.33 in.wg at 1000 fpm and 8570 scfm  
 Free Area: 7.22 sq.ft. = 45.1% for 48"W x 48"H test size

Ratings do not include the effect of birdscreen.



		Free Area sq.ft									
		Width									
Height	12"	24"	36"	48"	60"	72"	84"	96"	108"	120"	
	12"	0.24	0.55	0.86	1.17	1.48	1.79	2.10	2.41	2.72	3.03
	24"	0.63	1.44	2.25	3.06	3.87	4.68	5.49	6.30	7.11	7.92
	36"	1.02	2.33	3.65	4.96	6.27	7.58	8.89	10.20	11.51	12.82
	48"	1.49	3.40	5.32	7.22	9.14	11.05	12.96	14.87	16.78	18.69
	60"	1.89	4.30	6.71	9.12	11.53	13.94	16.35	18.77	21.18	23.59
	72"	2.28	5.19	8.10	11.01	13.92	16.84	19.75	22.66	25.57	28.49
	84"	2.75	6.26	9.77	13.28	16.80	20.31	23.82	27.33	30.85	34.36
	96"	3.14	7.15	11.16	15.18	19.19	23.20	27.22	31.23	35.24	39.26
	108"	3.53	8.04	12.56	17.07	21.58	26.10	30.61	35.12	39.64	44.15
120"	4.00	9.11	14.23	19.34	24.46	29.57	34.68	39.80	44.91	50.03	



Louvers & Dampers certifies that the Model IL75 shown herein is licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with the AMCA Publication 511 and comply with the requirements of the AMCA Certified Ratings Program. The AMCA Certified ratings seal applies to Air Performance, Water Penetration, and Wind Driven Rain Ratings only.

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Wind Driven Rainwater Penetration Test Conducted to AMCA Standard 500-L

Test Size 1m x 1m (39.37" x 39.37") Core Area, 41.87"W x 42.86"H Nominal. Louver Free Area 5.29 sq.ft.

Core Ventilation m/s	0.0	0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0	Rainfall / mph	
fpm	0	0	0	0	0	482	569	657	751	864	977	3 in/hr Rainfall and 29 mph Velocity	
Free Area Ventilation cfm	-	-	-	-	-	5195	6126	7076	8086	9306	10,519		
Free Area Velocity fpm	-	-	-	-	-	982	1158	1338	1529	1759	1988		
Effective Rating Class	A	A	A	A	A	A	A	A	A	C	C		C
Effectiveness Ratio %	-	-	-	-	-	100	99.8	99.3	94.8	90.0	83.1		
fpm	0	0	0	0	0	482	578	659	763	847	974	8 in/hr Rainfall and 50 mph Velocity	
Free Area Ventilation cfm	-	-	-	-	-	5189	6227	7096	8210	9115	10,483		
Free Area Velocity fpm	-	-	-	-	-	981	1177	1341	1552	1723	1982		
Effective Rating Class	A	A	A	A	A	A	A	B	C	C	C		
Effectiveness Ratio %	-	-	-	-	-	100	99.0	96.5	92.9	88.6	80.8		

Class	Effectiveness %
A	1 - 0.99%
B	0.989 - 0.95%
C	0.949 - 0.80%
D	Below 0.80%

Class	Discharge Loss Coefficient
1	0.4 and Above
2	0.3 - 0.399
3	0.2 - 0.299
4	0.199 and Below

Discharge Coefficient  
Intake Cd = 0.22 (Class 3)

1. Core Area is the front opening of a louver assembly with the blades removed.
2. Core Area Velocity is the airflow rate through the louver divided by the core area (39.37"W x 39.37"H).
3. Free Area is the minimum area through which air can pass. It is determined by multiplying the sum of the minimum distances between intermediate blades, top blade, and head, bottom blade and sill, by the minimum distance between jambs.
4. Discharge Loss Coefficient is calculated by dividing a louver actual airflow rate vs. a theoretical airflow for the opening. Providing an indication of the louver air flow characteristics.



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