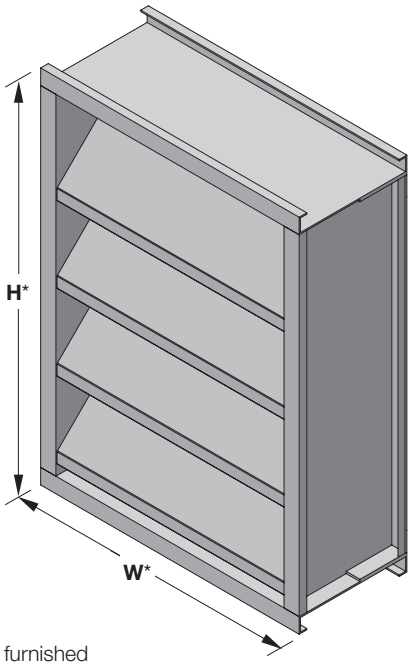
ALL-LITE

EFJ-745

Extruded Aluminum Louver
7" deep • 45° J-blade with Vertical Blade rear section



EFJ-745
(standard)
*Louver dimensions furnished approximately 1/2" (13) undersize.

The EFJ-745 offers exceptional protection against wind-driven rain under the most severe conditions and is ideally suited for high wind areas or applications that are sensitive to wind-driven rain penetration. The EFJ-745 incorporates horizontal blades and is available in a wide array of anodized and painted finishes including custom color matching.

Standard Construction

Material: Mill finish 6063-T5 extruded aluminum

Frame: 7" deep x 0.081" thick (178 x 2) channel

Blades: 45° x 0.081" (2) horizontal J-style (front)
45° x 0.060" (1.5) vertical chevron style (rear)

Screen: 1/2" × 0.063" (12.7 × 1.6) expanded and flattened aluminum

Mullion: Visible

Minimum Size: 12" × 12" (305 × 305)

Maximum Size:

Single section: 48" × 144" (1219 × 3658)
Multiple section: Unlimited

Ratings

Free Area: [48" × 48" (1219 × 1219) unit]: 7.0 ft² (0.65m²)
43.8%

Performance @ Beginning Point of Water Penetration

Free Area Velocity: 1,250 fpm (4.35 m/s)

Air Volume Delivered: 8,755 cfm (4.13 m³/s)

Pressure Loss: 0.47 in.wg. (117 Pa)

Velocity @ 0.15 in.wg. Pressure Loss: 698 fpm (3.55 m/s)

Design Load: 25 psf

Options

- **Factory finish:**
  - High Performance Fluoropolymer
  - Prime Coat
  - Baked Enamel
  - Clear Anodize
  - Integral Color Anodize
- **Frame Options:**
  - 1-1/2" (38) flange frame
  - Custom-size flange
  - Stucco flange
  - Glazing frame
- **Installation Hardware**
  - Clip angles
  - Continuous angles
- **Alternate bird or insect screens**
- **Insulated or non-insulated blank-off panels**
- **Hidden vertical mullion**
- **Filter racks**
- **Hinged frame**
- **Subframe**
- **Head and/or sill flashing**
- **Frame closure**
- **Burglar bars**
- **Net OD (actual size)**

5 year warranty

Certified Ratings:
All-Lite certifies that the model EFJ-745 shown herein is licensed to bear the AMCA seal. The ratings shown are based on test and 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 air performance and wind-driven rain ratings.

NOTE: Dimensions in parentheses ( ) are millimeters.
Information is subject to change without notice or obligation.

PERFORMANCE

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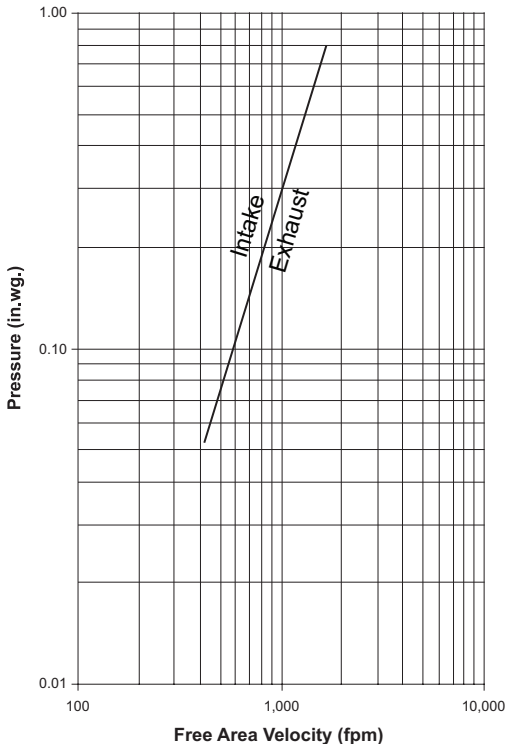
Free Area (ft^2)

Width (Inches)

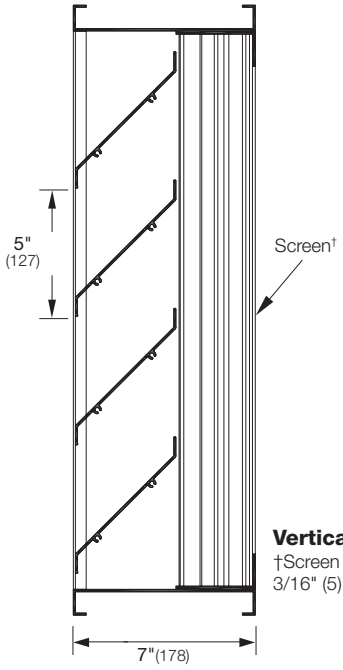
Height (Inches)	12	18	24	30	36	42	48
12	**0.2**	0.4	0.5	0.7	0.9	1.0	1.2
18	0.4	**0.7**	1.0	1.3	1.6	1.9	2.1
24	0.5	1.0	**1.4**	1.8	2.3	2.7	3.1
30	0.7	1.3	1.8	**2.4**	3.0	3.5	4.1
36	0.9	1.6	2.3	3.0	**3.7**	4.4	5.1
42	1.0	1.9	2.7	3.5	4.4	**5.2**	6.0
48	1.2	2.2	3.1	4.1	5.1	6.0	**7.0**
54	1.4	2.5	3.6	4.7	5.8	6.9	8.0
60	1.6	2.8	4.0	5.3	6.5	7.7	9.0
66	1.7	3.1	4.5	5.8	7.2	8.6	9.9
72	1.9	3.4	4.9	6.4	7.9	9.4	10.9
78	2.1	3.7	5.3	7.0	8.6	10.2	11.9
84	2.2	4.0	5.8	7.5	9.3	11.1	12.8
90	2.4	4.3	6.2	8.1	10.0	11.9	13.8
96	2.6	4.6	6.6	8.7	10.7	12.8	14.8
102	2.7	4.9	7.1	9.2	11.4	13.6	15.8
108	2.9	5.2	7.5	9.8	12.1	14.4	16.7
114	3.1	5.5	7.9	10.4	12.8	15.3	17.7
120	3.2	5.8	8.4	11.0	13.5	16.1	18.7
126	3.4	6.1	8.8	11.5	14.2	16.9	19.7
132	3.6	6.4	9.3	12.1	14.9	17.8	20.6
138	3.7	6.7	9.7	12.7	15.6	18.6	21.6
144	3.9	7.0	10.1	13.2	16.3	19.5	22.6

Pressure Loss

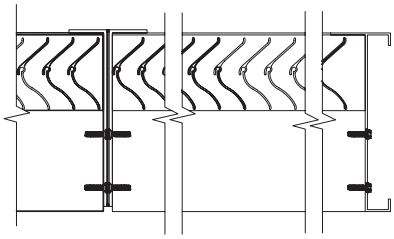


Louver Test Size = 48" x 48" (1219 x 1219)
Pressure loss tested in accordance with Figure 5.5 of AMCA Standard 500-L. Data corrected to standard air density.

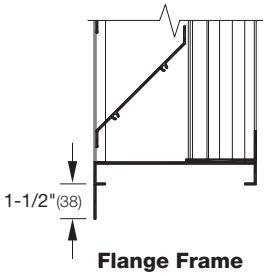
Attributes



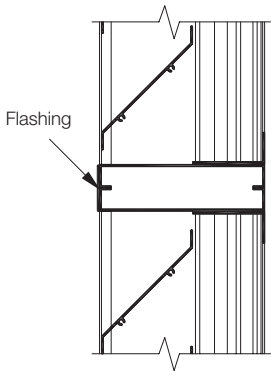
Vertical Section
†Screen adds approximately 3/16" (5) to louver depth



Hidden Vertical Mullion
(optional)



Flange Frame
(optional)



Horizontal Mullion
(standard)

PERFORMANCE

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Wind Driven Rain Performance - AMCA 500L Wind-Driven Rain Test

WInd Velocity	Rainfall	Airflow	Core Velocity[1]	Effectiveness Ratio	Wind-Driven Rain Penetration Class	Discharge Loss Class[2]
29 mph	3 in/hr	7,211 cfm	670 fpm	99.3%	A	3

NOTE:
1. Core area is the open area of the louver face (face area less louver frame). Core velocity is the airflow divided by core area. Test louver core area is 10.77 ft² (1 m²).

2. Discharge Loss Coefficient is calculated by dividing the louver's actual airflow rate by the theoretical airflow rate for an unobstructed opening. The higher the coefficient, the lower the resistance to airflow.

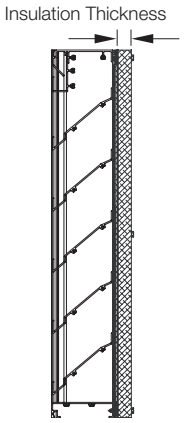
Wind Driven Rain

Class	Effectiveness
A	99% and above
B	95% to 98.9%
C	80% to 94.9%
D	below 80%

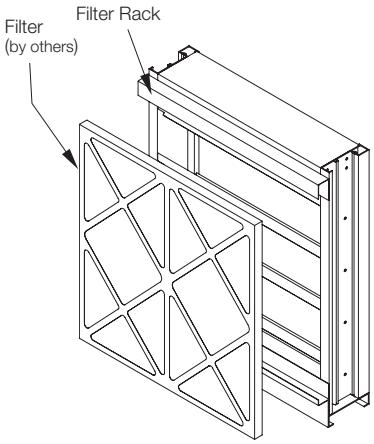
Discharge Loss

Class	Coefficient
1	0.4 and above
2	0.3 to 0.399
3	0.2 to 0.299
4	0.199 and below

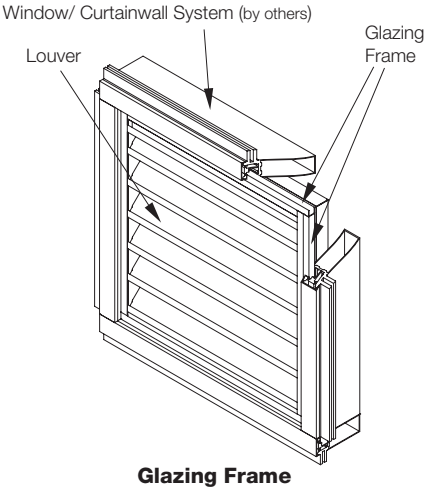
Supplemental Options



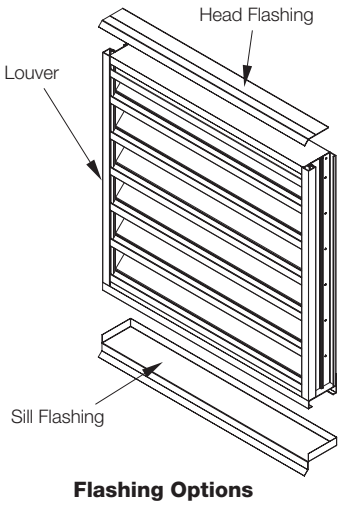
Blank-Off Options
Non-Insulated and Gasketed
1" Insulated (4.25 R-value)
2" Insulated (8.75 R-value)



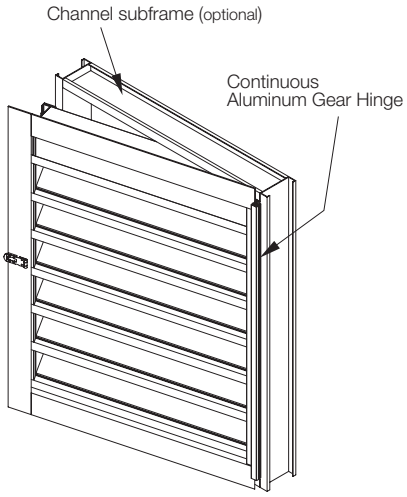
Filter Rack



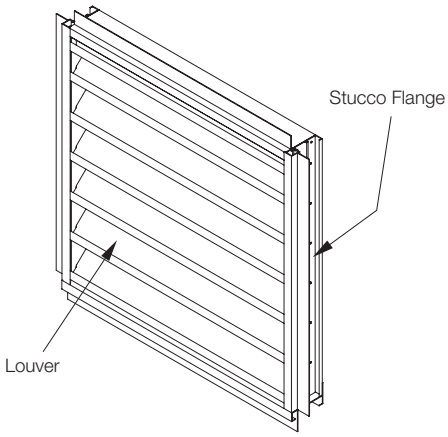
Glazing Frame



Flashing Options
Head and Sill Available



Hinge and Subframe
Right or Left Side Option Available



Stucco Flange
3/4" (19) Standard Stucco Depth