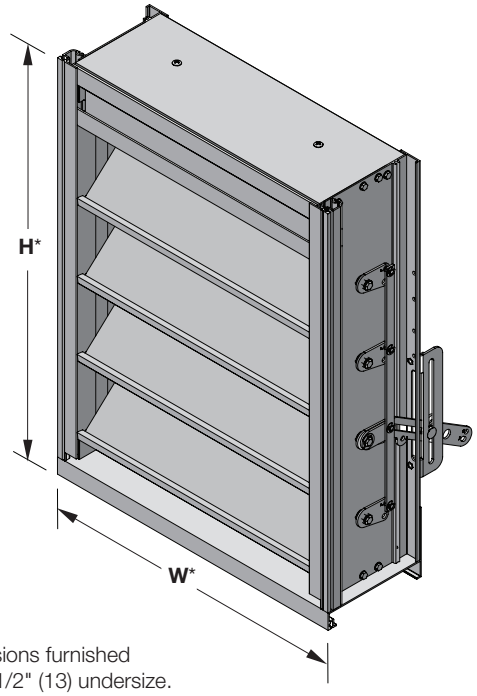
ALL-LITE

EOD-637

Extruded Aluminum Louver
6" deep • 37-1/2° Operable Drainable Blade



EOD-637
(standard)
*Louver dimensions furnished approximately 1/2" (13) undersize.

The EOD-637 louver features operable blades that allow positive shutoff protection of air intake and exhaust openings. The EOD-637 is available in a wide array of anodized and painted finishes including custom color matching. These units are also available with a variety of factory mounted electric or pneumatic actuators.

Ratings

Free Area: [48" × 48" (1219 × 1219) unit]: 8.6 ft² (0.80 m²)
53.9%

Performance @ Beginning Point of Water Penetration

Free Area Velocity: 1,136 fpm (5.77 m/s)

Air Volume Delivered: 9,801 cfm (4.63 m³/s)

Pressure Loss: 0.15 in.wg. (37 Pa)

Velocity @ 0.15 in.wg. Pressure Loss: 1,144 fpm (5.81 m/s)

Design Load: 30 psf

Standard Construction

Material: Mill finish 6063-T5 extruded aluminum

Frame: 6" deep × 0.081" thick (152 × 2) channel

Blades: 37-1/2° × 0.081" (2) thick operable drainable style

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

Axles: 1/2" (13) diameter plated steel hex

Linkage: Concealed in frame

Bearings: Synthetic

Low leakage seals: PVC blade edge and flexible metal jamb

Minimum Size: 12" × 12" (305 × 305)

Maximum Size: Single section:
48" × 96" (1219 × 2436) with low leakage seals
60" × 96" (1524 × 2436) without low leakage seals
Multiple section: Unlimited

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
- **Welded construction**
- **Alternate bird or insect screens**
- **Insulated or non-insulated blank-off panels**
- **Filter racks**
- **Hinged frame**
- **Subframe**
- **Head and/or sill flashing**
- **Burglar bars**
- **Frame closure**
- **Net OD (actual size)**
- **Factory mounted electric or pneumatic actuator**

5 year warranty

Certified Ratings:
All-Lite certifies that the model EOD-637 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 water penetration 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)

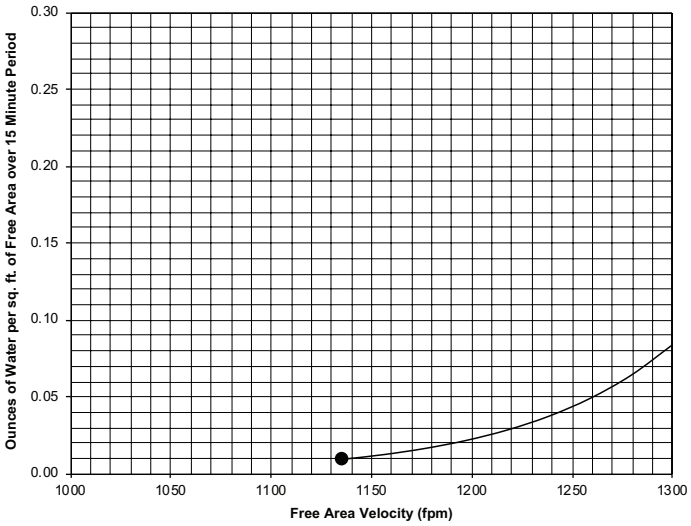
Width (Inches)

Height (Inches)	12	18	24	30	36	42	48	54	60
12	**0.3**	0.5	0.6	0.8	1.0	1.2	1.4	1.5	1.7
18	0.7	**1.1**	1.5	1.9	2.3	2.8	3.2	3.6	4.0
24	0.9	1.4	**1.9**	2.5	3.0	3.5	4.1	4.6	5.2
30	1.0	1.7	2.4	**3.0**	3.7	4.3	5.0	5.7	6.3
36	1.4	2.3	3.2	4.1	**5.0**	5.9	6.8	7.7	8.6
42	1.6	2.6	3.6	4.7	5.7	**6.7**	7.7	8.7	9.8
48	1.8	2.9	4.1	5.2	6.4	7.5	**8.6**	9.8	10.9
54	2.2	3.6	4.9	6.3	7.7	9.1	10.4	**11.8**	13.2
60	2.4	3.9	5.4	6.9	8.4	9.9	11.4	12.9	**14.4**
66	2.6	4.2	5.8	7.4	9.0	10.6	12.3	13.9	15.5
72	2.9	4.8	6.7	8.5	10.4	12.2	14.1	15.9	17.8
78	3.1	5.1	7.1	9.1	11.0	13.0	15.0	17.0	18.9
84	3.3	5.4	7.5	9.6	11.7	13.8	15.9	18.0	20.1
90	3.7	6.0	8.4	10.7	13.0	15.4	17.7	20.1	22.4
96	3.9	6.3	8.8	11.3	13.7	16.2	18.6	21.1	23.5

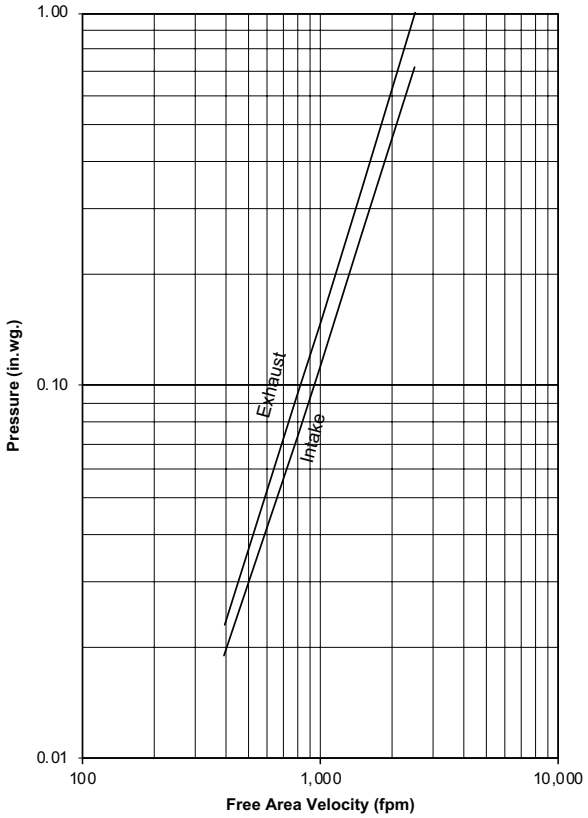
Water Penetration

AMCA defines the beginning point of water penetration as the free area velocity at the intersection of a simple linear regression of test data and the line of 0.01 ounces of water per square foot of free area measured through a 48" x 48" louver during a 15 minute period. The AMCA water penetration test provides a method for comparing louver models and designs as to their efficiency in resisting the penetration of rainfall under specific lab conditions. We recommend that intake louvers are selected with a reasonable margin of safety below the beginning point of water penetration in order to avoid unwanted penetration during severe storm conditions.

Beginning Point of Water Penetration = 1,136 fpm



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.

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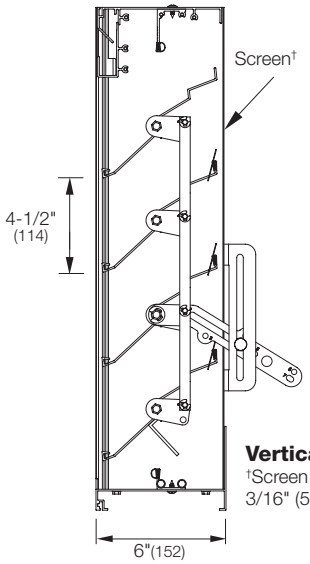
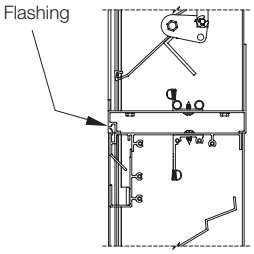
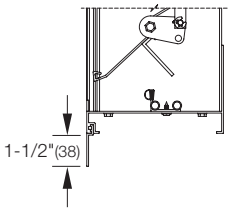
Attributes



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

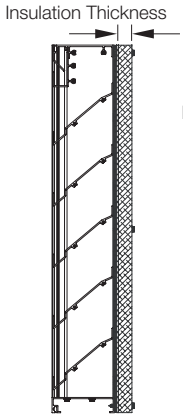


Horizontal Mullion
(standard)

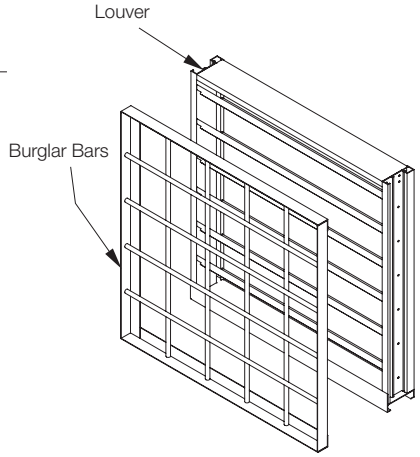


Flange Frame
(optional)

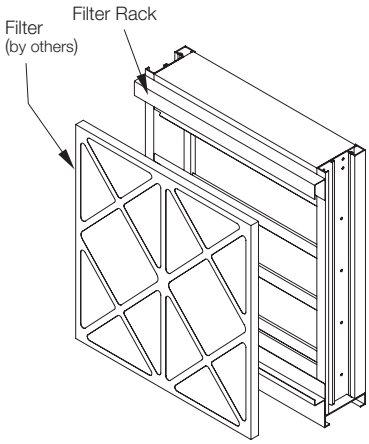
Supplemental Options



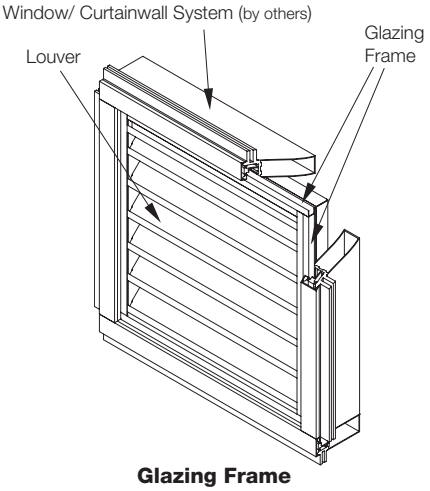
Blank-Off Options
Non-Insulated and Gasketed
1" Insulated (4.25 R-value)
2" Insulated (8.75 R-value)



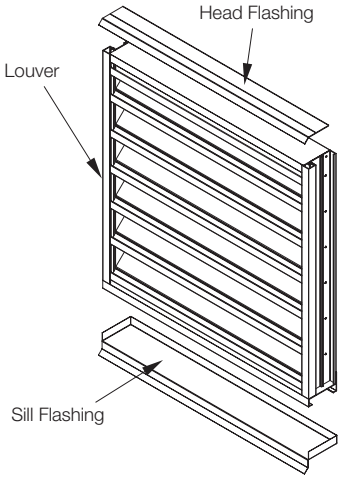
Burglar Bars
Shipped Loose or Mounted



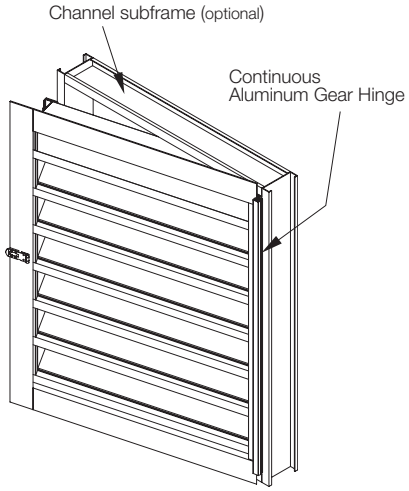
Filter Rack



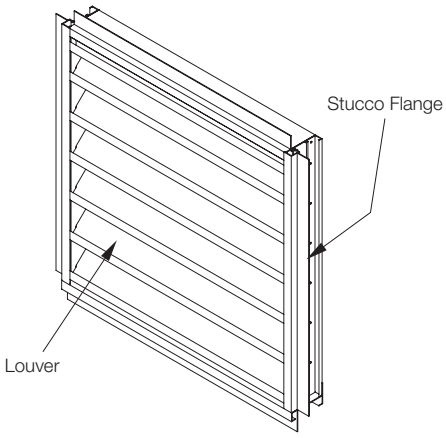
Glazing Frame



Flashing Options
Head and Sill Available



Hinge and Subframe
Right or Left Side Option Available



Stucco Flange