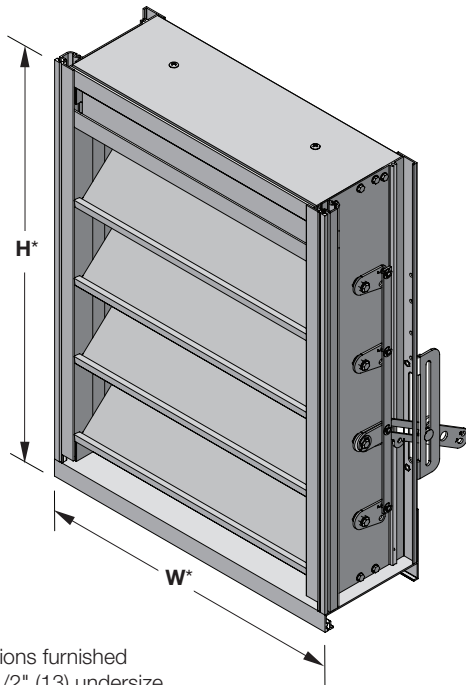




### EOD-637

(standard)

\*Louver dimensions furnished approximately 1/2" (13) undersize.

## Ratings

**Free Area:** [48" × 48" (1219 × 1219) unit]: 8.6 ft<sup>2</sup> (0.80 m<sup>2</sup>)  
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 m<sup>3</sup>/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

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.

## 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" × 120" (1219 × 3048) with low-leakage seals

60" × 120" (1524 × 3048) 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



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

# PERFORMANCE

## EOD-637

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

### Free Area (ft<sup>2</sup>)

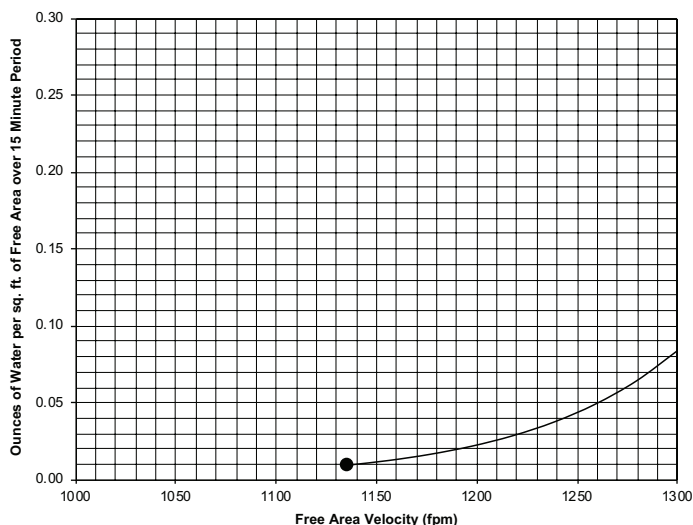
Width (Inches)

|     | 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 |
| 102 | 4.1 | 6.7 | 9.2  | 11.8 | 14.4 | 17.0 | 19.5 | 22.1 | 24.7 |
| 108 | 4.5 | 7.3 | 10.1 | 12.9 | 15.7 | 18.5 | 21.3 | 24.2 | 27.0 |
| 114 | 4.6 | 7.6 | 10.5 | 13.5 | 16.4 | 19.3 | 22.3 | 25.2 | 28.1 |
| 120 | 4.8 | 7.9 | 10.9 | 14.0 | 17.1 | 20.1 | 23.2 | 26.2 | 29.3 |

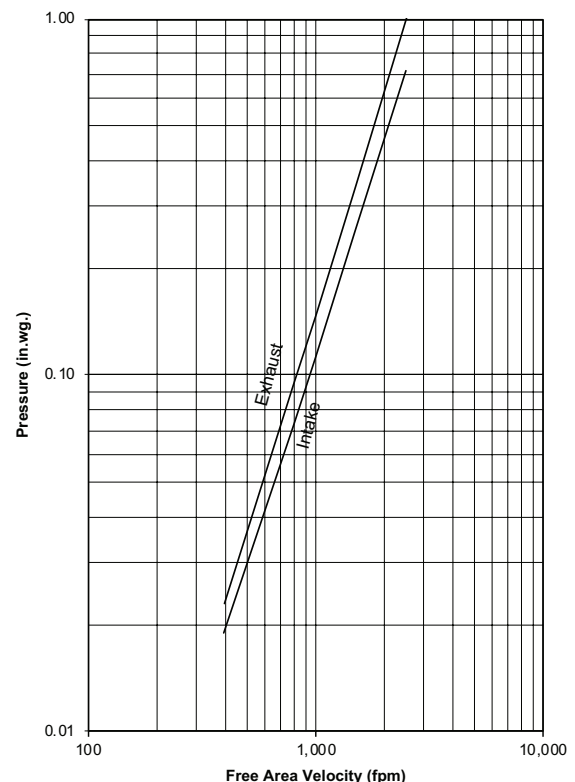
### Water Penetration

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

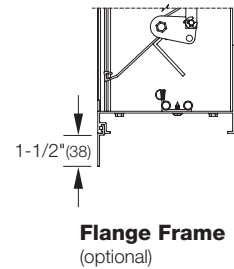
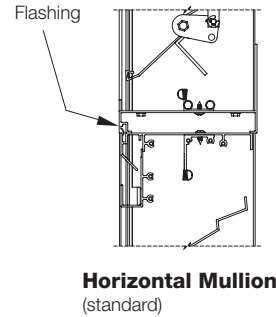
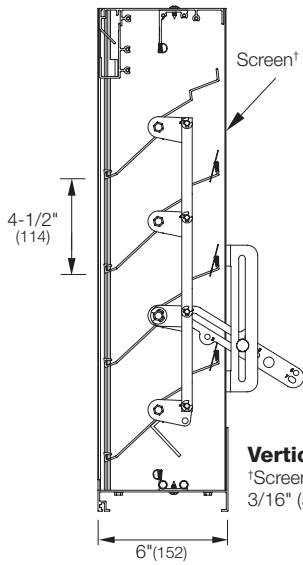


### Pressure Loss

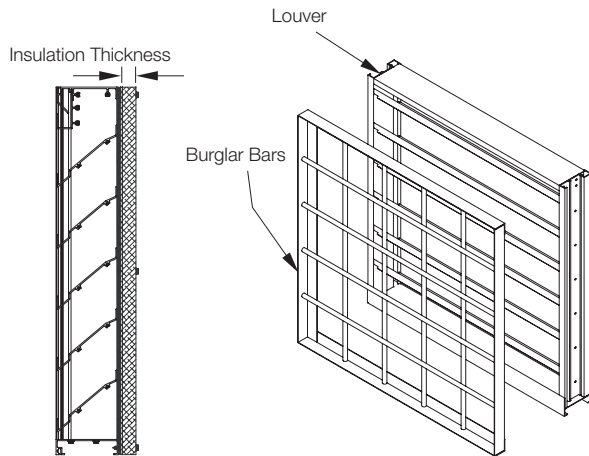


Louver Test Size = 48" x 48" (1219 x 1219)  
Pressure loss tested in accordance with Figure 5.5 of AMCA  
Standard 500-L. Data corrected to standard air density.

## Attributes

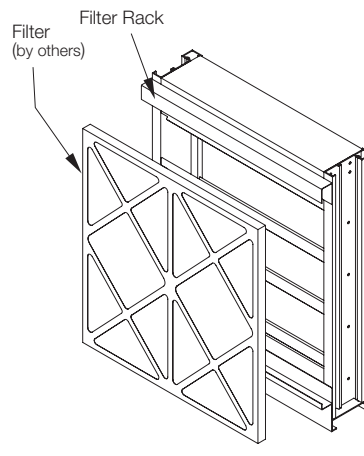


## Supplemental Options

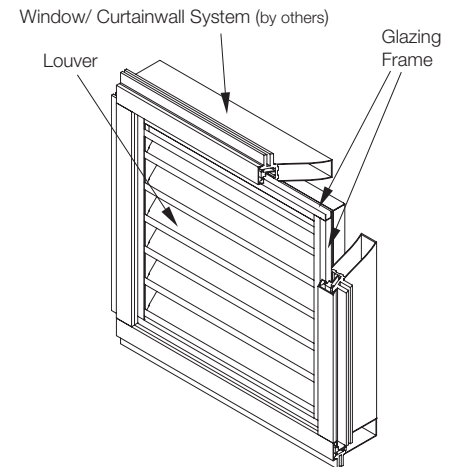


**Blank-Off Options**  
Non-Insulated and Gasketed  
1" Insulated (4.25 R-value)  
2" Insulated (8.75 R-value)

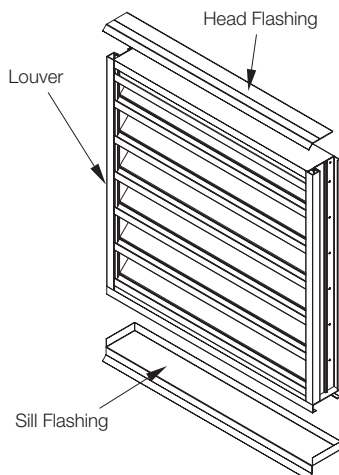
**Burglar Bars**  
Shipped Loose or Mounted



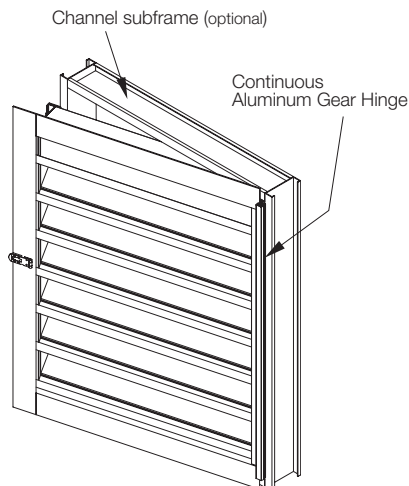
**Filter Rack**



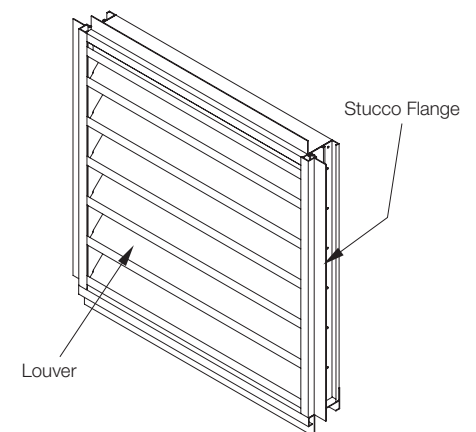
**Glazing Frame**



**Flashing Options**  
Head and Sill Available



**Hinge and Subframe**  
Right or Left Side Option Available



**Stucco Flange**