

# MODEL SP237V

## STANDARD CONSTRUCTION

- **Material:** Extruded Aluminum 6063-T6
- **Frame:** 2" (51 mm) Deep, 0.081" (2.1 mm) Wall Thickness
- **Blade:** 2" (51 mm) Deep, 0.063" (1.6 mm) Wall Thickness
- **Blade Spacing:** 15/16" (23.8 mm) On Center
- **Sill Flashing:** 0.063" (1.6 mm) Formed Aluminum W/ End Dams

## OPTIONAL ACCESSORIES

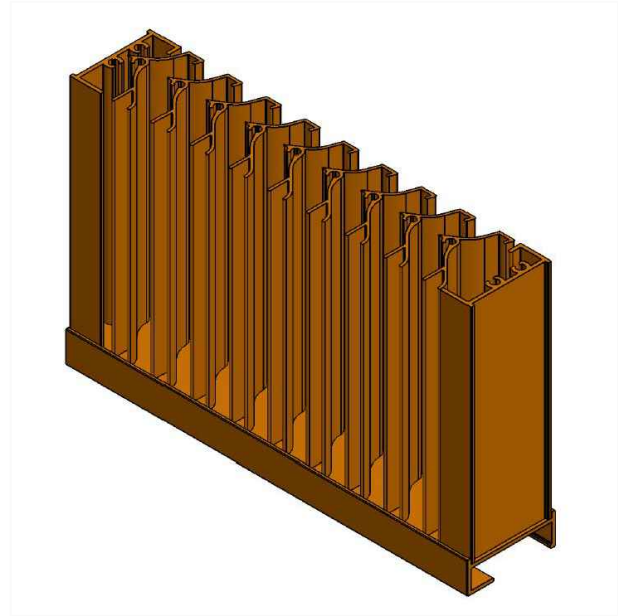
- Bird Screen - 1/2" x 0.063" Flattened Expanded Aluminum
- Insect Screen - 18 x 14 Mesh Charcoal Aluminum
- Extended Sill Flashing
- Insulated & Non-Insulated Blank Off Panels
- Hinged Access Panels

## FINISHES

- **2-Coat Fluoropolymer:** Fluoropon Pure® 70% PVDF (AAMA 2605)\*
- **3-Coat Fluoropolymer:** Fluoropon Pure® 70% PVDF (AAMA 2605)\*
- **Anodic Finishes:** Class I & Class II, Clear & Bronze Spectrum
- **Prime Coat:** Recommended When Field Painting
  - \*Custom Colors Available

## SUGGESTED SPECIFICATIONS

- **General:** Furnish and install where indicated on drawings  
2" (51 mm) Storm Performance Louver Model SP237V as manufactured by Industrial Louvers, Inc. Delano, MN.
- **Material:** Extruded aluminum frames and blades shall be one piece 6063-T6 alloy, designed to collect and drain water to the exterior at the sill. Frame shall have a material thickness of 0.081" (2.1 mm). Fixed blades shall have a material thickness of 0.063" (1.6 mm). Frames and blades shall be joined by stainless steel fasteners.



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## PERFORMANCE

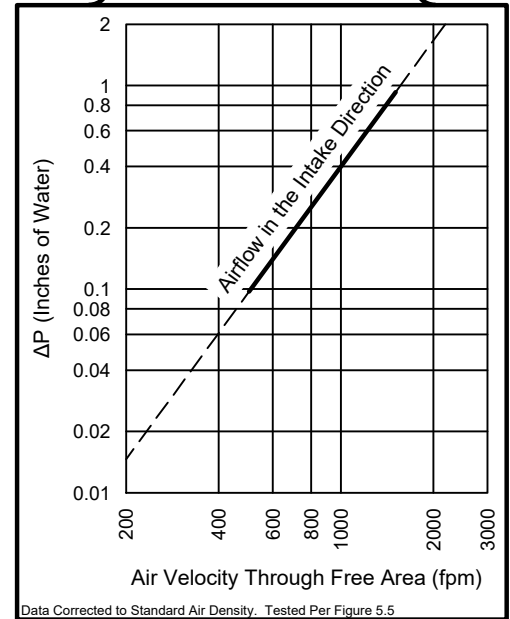
- Free Area = 7.69 ft<sup>2</sup> (48.0%)
  - Beginning Point of Water Penetration = 1250+ fpm / 9612+ cfm
  - Air Flow @ ΔP of 0.15" Water = 620 fpm / 4767 cfm
- \*All Ratings Based on 48" x 48" Test Specimen  
 \*Ratings Include the Effect of a Sill Pan

### FREE AREA (ft<sup>2</sup>)

|               |        |       |       |       |       |       |       |
|---------------|--------|-------|-------|-------|-------|-------|-------|
| Louver Height | 120 in | 4.07  | 9.13  | 14.19 | 19.60 | 24.64 | 29.73 |
|               | 108 in | 3.66  | 8.21  | 12.75 | 17.62 | 22.14 | 26.72 |
|               | 96 in  | 3.25  | 7.28  | 11.32 | 15.63 | 19.65 | 23.71 |
|               | 84 in  | 2.83  | 6.36  | 9.88  | 13.65 | 17.15 | 20.70 |
|               | 72 in  | 2.42  | 5.43  | 8.44  | 11.66 | 14.66 | 17.69 |
|               | 60 in  | 2.01  | 4.51  | 7.01  | 9.68  | 12.16 | 14.68 |
|               | 48 in  | 1.60  | 3.58  | 5.57  | 7.69  | 9.67  | 11.67 |
|               | 36 in  | 1.18  | 2.66  | 4.13  | 5.71  | 7.17  | 8.66  |
|               | 24 in  | 0.77  | 1.73  | 2.69  | 3.72  | 4.68  | 5.64  |
|               | 12 in  | 0.36  | 0.81  | 1.26  | 1.74  | 2.18  | 2.63  |
| Louver Width  | 12 in  | 24 in | 36 in | 48 in | 60 in | 72 in |       |

- Effects of blade stiffeners or additional bracing has not been considered.
- Effects of screen or other accessories has not been considered.
- Contact Industrial Louvers for free area of other sizes.
- 1 in = 25.4 mm
- 10.76 ft<sup>2</sup> = 1 m<sup>2</sup>

### AIR PERFORMANCE



### WIND DRIVEN RAIN

|                        | Ventilation Air Velocity | 0.0 m/s | 0.5 m/s | 1.0 m/s | 1.5 m/s | 2.0 m/s | 2.5 m/s | 3.0 m/s | 3.5 m/s |
|------------------------|--------------------------|---------|---------|---------|---------|---------|---------|---------|---------|
| Rainfall Rate: 3 in/hr | Core Velocity            | -       | -       | -       | -       | -       | -       | 590 fpm | 702 fpm |
| Wind Velocity: 29 mph  | Effectiveness            | -       | -       | -       | -       | -       | -       | 100.0%  | 99.8%   |
|                        | Penetration Class        | A       | A       | A       | A       | A       | A       | A       | A       |
| Rainfall Rate: 8 in/hr | Core Velocity            | -       | -       | -       | -       | -       | 489 fpm | 589 fpm | 686 fpm |
| Wind Velocity: 50 mph  | Effectiveness            | -       | -       | -       | -       | -       | 100.0%  | 99.8%   | 98.4%   |
|                        | Penetration Class        | A       | A       | A       | A       | A       | A       | A       | B       |



Industrial Louvers, Inc. certifies that the Model SP237V shown herein is licensed to bear the AMCA Seal. The ratings shown are based on tests 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 ratings, water penetration ratings, and wind driven rain ratings.

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www.IndustrialLouvers.com  
 ilinfo@IndustrialLouvers.com

511 South 7th Street, Delano MN 55328  
 Tel: 763.972.2981 | Fax: 763.972.2911