

# MODEL VS5321

## STANDARD CONSTRUCTION - FRONT MODULE

- **Material:** Extruded Aluminum 6063-T6
- **Frame:** 3" (76 mm) Deep, 0.081" (2.1 mm) Wall Thickness
- **Blade:** 3" (76 mm) Deep, 0.063" (1.6 mm) Wall Thickness
- **Blade Spacing:** 1.25" (31.8 mm) On Center
- **Sill Flashing:** 0.063" (1.6 mm) Formed Aluminum W/ End Dams

## STANDARD CONSTRUCTION - REAR MODULE

- **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:** 0.9375" (23.8 mm) On Center

## 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
- Flanged & Glazing Frames
- Visible Mullions
- Invisible Mullions for Continuous Blade Appearance
- Hinged Access Panels

## FINISHES

- **2-Coat Fluoropolymer:** Fluropon Pure® 70% PVDF (AAMA 2605)\*
- **3-Coat Fluoropolymer:** Fluropon 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 5.375" (137 mm) Storm Performance Louver Model VS5321 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. Frames 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.



HIGH VELOCITY RAIN  
RESISTANT WITH BLADES  
FULLY OPEN AND  
IMPACT RESISTANT LOUVER  
*Enhanced Protection Level E*

See [www.AMCA.org](http://www.AMCA.org) for all certified or listed products

This label does not signify  
AMCA airflow performance  
certification.





# MODEL VS5321

## AMCA 500-L PERFORMANCE

- Free Area = 7.14 ft<sup>2</sup> (44.6%)
- Beginning of Water Penetration = 1250+ fpm / 8925+ cfm
- Air Flow @ ΔP of 0.15" Water = 503 fpm / 3591 cfm
- \*All Ratings Based on 48" x 48" Test Specimen
- \*Ratings Include the Effect of a Sill Pan

## HIGH PERFORMANCE TESTING

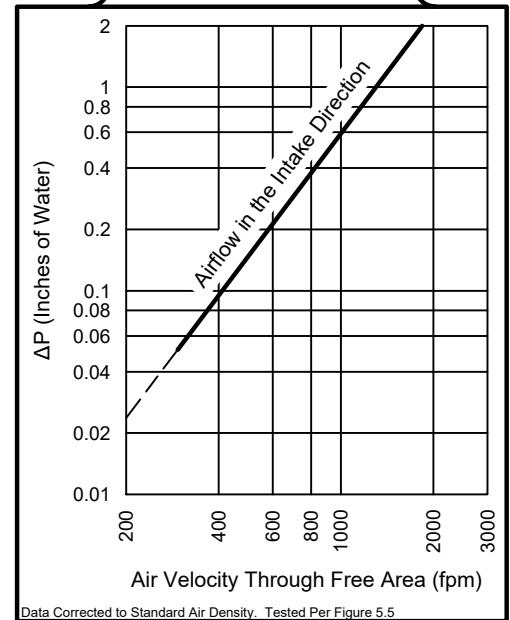
- AMCA 540 Enhanced Protection Level E Missile Impact
- AMCA 550 High Velocity Wind Driven Rain

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

|               |        |       |       |       |       |       |       |
|---------------|--------|-------|-------|-------|-------|-------|-------|
| Louver Height | 120 in | 3.44  | 8.47  | 13.87 | 18.69 | 23.51 | 28.33 |
|               | 108 in | 3.09  | 7.61  | 12.46 | 16.83 | 21.18 | 25.52 |
|               | 96 in  | 2.74  | 6.74  | 10.96 | 14.77 | 18.59 | 22.40 |
|               | 84 in  | 2.39  | 5.88  | 9.58  | 12.92 | 16.25 | 19.58 |
|               | 72 in  | 2.04  | 5.01  | 8.21  | 11.06 | 13.91 | 16.77 |
|               | 60 in  | 1.69  | 4.15  | 6.68  | 9.00  | 11.32 | 13.65 |
|               | 48 in  | 1.34  | 3.29  | 5.30  | 7.14  | 8.99  | 10.83 |
|               | 36 in  | 0.98  | 2.42  | 3.77  | 5.09  | 6.40  | 7.71  |
|               | 24 in  | 0.63  | 1.56  | 2.40  | 3.23  | 4.06  | 4.90  |
| 12 in         | 0.28   | 0.66  | 1.02  | 1.37  | 1.73  | 2.08  |       |
| 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            | -       | -       | -       | -       | -       | 492 fpm | 586 fpm | 685 fpm |
| Wind Velocity: 29 mph  | Effectiveness            | -       | -       | -       | -       | -       | 100%    | 98.6%   | 96.2%   |
|                        | Penetration Class        | -       | -       | -       | -       | -       | A       | B       | B       |
| Rainfall Rate: 8 in/hr | Core Velocity            | -       | -       | -       | -       | -       | 475 fpm | 573 fpm | 658 fpm |
| Wind Velocity: 50 mph  | Effectiveness            | -       | -       | -       | -       | -       | 100%    | 99.9%   | 98.5%   |
|                        | Penetration Class        | -       | -       | -       | -       | -       | A       | A       | B       |



Industrial Louvers, Inc. certifies that the Model VS5321 shown herein is licensed to bear the AMCA Seal and is approved to bear the AMCA Listing Label. The ratings shown are based on tests and procedures performed in accordance with AMCA Publications and comply with the requirements of the AMCA Certified Ratings Program and AMCA Listing Label Program. The AMCA Certified Ratings Seal applies to air performance ratings, water penetration ratings, and wind driven rain ratings. The AMCA Listing Label applies to High Velocity Wind Driven Rain Resistant Louvers and Wind Borne Debris Impact Resistant Louvers.

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