

MODEL SP737

STANDARD CONSTRUCTION

- **Material:** Extruded Aluminum 6063-T6
- **Frame:** 7" (178 mm) Deep, 0.081" (2.1 mm) Wall Thickness
- **Front Blade:** 4" (101.6 mm) Deep, 0.081" (2.1 mm) Wall Thickness
- **Rear Blade:** 3" (76.2 mm) Deep, 0.063" (1.6 mm) Wall Thickness
- **Blade Spacing:** 5.5" (139.7 mm) On Center
- **Sill Flashing:** 0.063" (1.6 mm) Formed Aluminum W/ End Dams

OPTIONAL ACCESSORIES

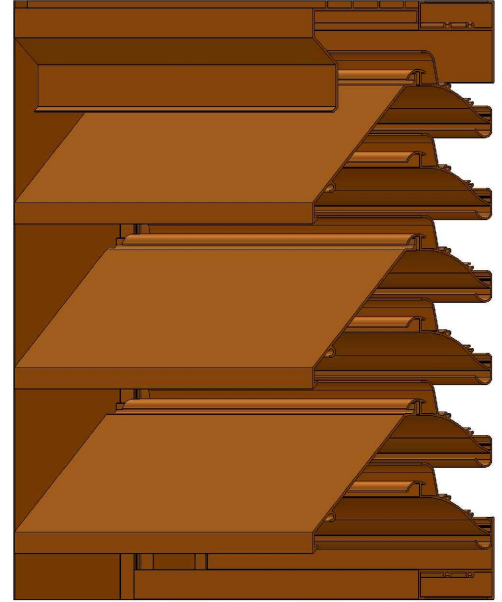
- Bird Screen - 1/2" x 0.063" Flattened Expanded Aluminum
- Insect Screen - 18 x 14 Mesh Charcoal Aluminum
- Extended Sill Flashing
- Insulated & Non-Insulated Blank Off Panels
- Invisible Mullions for Continuous Blade Appearance
- Hinged Access Panels

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
 - *Fluropon Pure[®] is Living Building Challenge Red List Free
 - *Custom Colors Available

SUGGESTED SPECIFICATIONS

- **General:** Furnish and install where indicated on drawings 7" (178 mm) Storm Performance Louver Model SP737 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 by means of integral gutters in the blades and jamb frames. Frame shall have a minimum material thickness of 0.081" (2.1 mm). Fixed blades shall have a minimum material thickness of 0.063" (1.6 mm). Frames and blades shall be joined by stainless steel fasteners, and frame will be caulked to prevent water penetration to interior wall construction.



REV: SEPTEMBER 2019



MODEL SP737

PERFORMANCE

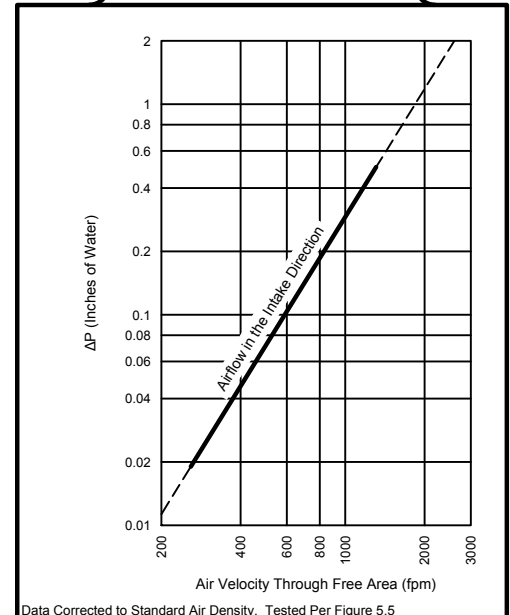
- Free Area = 7.17 ft² (44.8%)
 - Beginning Point of Water Penetration = 860 fpm / 6166 cfm
 - Air Flow @ ΔP of 0.15" Water = 719 fpm / 5155 cfm
- *All Ratings Based on 48" x 48" Test Specimen
*Ratings Include the Effect of a Sill Pan

FREE AREA (ft²)

| | | | | | | | |
|---------------|--------|------|------|-------|-------|-------|-------|
| Louver Height | 120 in | 4.18 | 9.19 | 14.20 | 19.21 | 24.22 | 29.23 |
| | 108 in | 3.74 | 8.23 | 12.72 | 17.21 | 21.70 | 26.19 |
| | 96 in | 3.31 | 7.27 | 11.24 | 15.21 | 19.18 | 23.14 |
| | 84 in | 2.83 | 6.22 | 9.61 | 13.00 | 16.39 | 19.78 |
| | 72 in | 2.36 | 5.19 | 8.01 | 10.84 | 13.67 | 16.50 |
| | 60 in | 1.99 | 4.39 | 6.78 | 9.17 | 11.56 | 13.96 |
| | 48 in | 1.56 | 3.43 | 5.30 | 7.17 | 9.04 | 10.91 |
| | 36 in | 1.12 | 2.47 | 3.82 | 5.17 | 6.52 | 7.87 |
| | 24 in | 0.66 | 1.45 | 2.25 | 3.04 | 3.83 | 4.63 |
| | 12 in | 0.19 | 0.42 | 0.65 | 0.88 | 1.11 | 1.35 |

- | | | | | | | |
|--------------|-------|-------|-------|-------|-------|-------|
| 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 ft² = 1 m²

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 | 0 fpm | 97 fpm | 198 fpm | 300 fpm | 394 fpm | 495 fpm | 591 fpm | 689 fpm |
| Wind Velocity: 29 mph | Effectiveness | 99.9% | 99.8% | 99.3% | 98.1% | 96.6% | 90.4% | 80.4% | 65.4% |
| | Penetration Class | A | A | A | B | B | C | C | D |
| Rainfall Rate: 8 in/hr | Core Velocity | 0 fpm | 95 fpm | 198 fpm | 280 fpm | 391 fpm | 475 fpm | 589 fpm | 686 fpm |
| Wind Velocity: 50 mph | Effectiveness | 99.2% | 98.9% | 98.1% | 96.2% | 92.0% | 86.0% | 77.4% | 70.4% |
| | Penetration Class | A | B | B | B | C | C | D | D |

Discharge Loss Coefficient = 0.21 (Class 3)



Industrial Louvers, Inc. certifies that the Model SP737 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. © 2019 Industrial Louvers. All rights reserved.

REV: SEPTEMBER 2019



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OPTIONAL ACCESSORIES - Mark All Required Options

- 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
- Invisible Mullions for Continuous Blade Appearance
- Hinged Access Panels

FINISHES - Select One

- **2-Coat Fluoropolymer:** Fluoron Pure® 70% PVDF (AAMA 2605)*
- **3-Coat Fluoropolymer:** Fluoron Pure® 70% PVDF (AAMA 2605)*
- **Anodic Finishes:** Class I & Class II, Clear & Bronze Spectrum
- **Prime Coat:** Recommended When Field Painting
- **Mill Finish:** Bare Aluminum
- *Fluoron Pure® is Living Building Challenge Red List Free
- *Custom Colors Available

| Mark | Qty | Circle One: Louver Size / Rough Opening | | Mullion Type (IVM or VVM) | Num. of Sections | Notes |
|------|-----|---|--------|------------------------------|---------------------|-------|
| | | Width | Height | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

Please complete table above for quotation or immediate release to production. Indicate any required optional accessories and finishes listed above.

