



MODEL SP537V

STANDARD CONSTRUCTION

- **Material:** Extruded Aluminum 6063-T6
- **Frame:** 5" (127 mm) Deep, 0.081" (2.1 mm) Wall Thickness
- **Blade:** 5" (127 mm) Deep, 0.080" (2.1 mm) Wall Thickness
- **Blade Spacing:** 1.25" (31.8 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

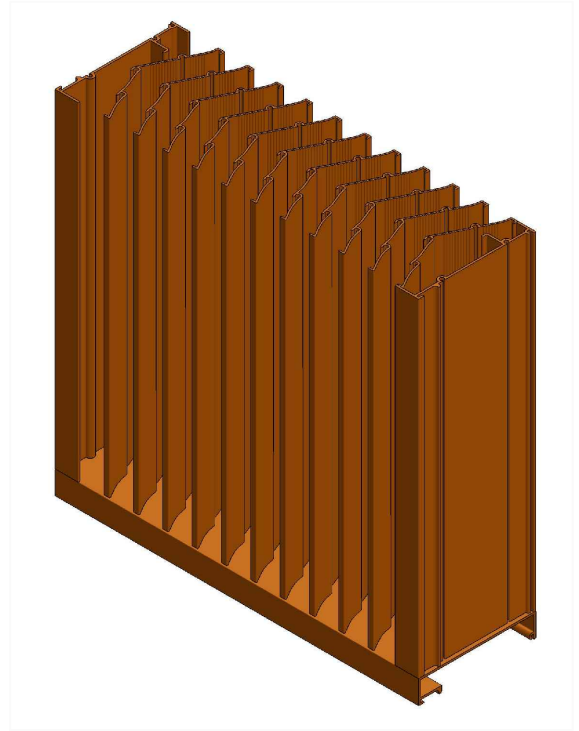
FINISHES

- **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 5" (127 mm) Storm Performance Louver Model SP537V 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 0.080" (2.1 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 for all certified or listed products

This label does not signify AMCA airflow performance certification.



REV: MAY 2024



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MODEL SP537V

AMCA 500-L PERFORMANCE

- Free Area = 10.33 ft² (64.5%)
- Beginning of Water Penetration = 1250+ fpm / 12,912+ cfm
- Air Flow @ ΔP of 0.15" Water = 957 fpm / 9885 cfm
- *All Ratings Based on 48" x 48" Test Specimen
- *Ratings Include the Effect of a Sill Pan

HIGH PERFORMANCE TESTING

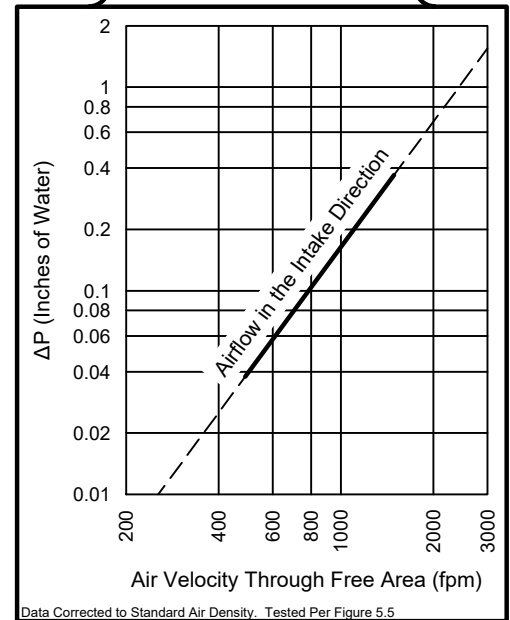
- AMCA 540 Enhanced Protection Level E Missile Impact
- AMCA 550 High Velocity Wind Driven Rain

FREE AREA (ft²)

Louver Height	120 in	5.37	12.49	19.38	26.51	33.40	40.29
	108 in	4.82	11.22	17.41	23.81	30.00	36.19
	96 in	4.27	9.95	15.44	21.12	26.60	32.09
	84 in	3.73	8.68	13.47	18.42	23.21	28.00
	72 in	3.18	7.41	11.50	15.73	19.81	23.90
	60 in	2.64	6.14	9.53	13.03	16.42	19.80
	48 in	2.09	4.87	7.55	10.33	13.02	15.71
	36 in	1.55	3.60	5.58	7.64	9.62	11.61
	24 in	1.00	2.33	3.61	4.94	6.23	7.51
12 in	0.45	1.06	1.64	2.25	2.83	3.41	
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



Data Corrected to Standard Air Density. Tested Per Figure 5.5

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	-	-	-	-	-	-	-	691 fpm
Wind Velocity: 29 mph	Effectiveness	-	-	-	-	-	-	-	100.0%
	Penetration Class	A	A	A	A	A	A	A	A
Rainfall Rate: 8 in/hr	Core Velocity	-	-	-	-	-	490 fpm	587 fpm	688 fpm
Wind Velocity: 50 mph	Effectiveness	-	-	-	-	-	99.3%	99.3%	99.3%
	Penetration Class	A	A	A	A	A	A	A	A



Industrial Louvers, Inc. certifies that the Model SP537V 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 Wind Borne Debris Impact Resistant Louvers and High Velocity Wind Driven Rain Resistant Louvers.

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