

# MODEL SP537DC

## STANDARD CONSTRUCTION

- **Material:** Extruded Aluminum 6063-T6
- **Frame:** 5" (127 mm) Deep, 0.081" (2.1 mm) Wall Thickness
- **Blade:** 5" (127 mm) Deep, 0.063" (1.6 mm) Wall Thickness
- **Blade Spacing:** 2.0625" (52.4 mm) On Center
- **Sill Flashing:** 0.063" (1.6 mm) Formed Aluminum W/ End Dams

## OPTIONAL ACCESSORIES

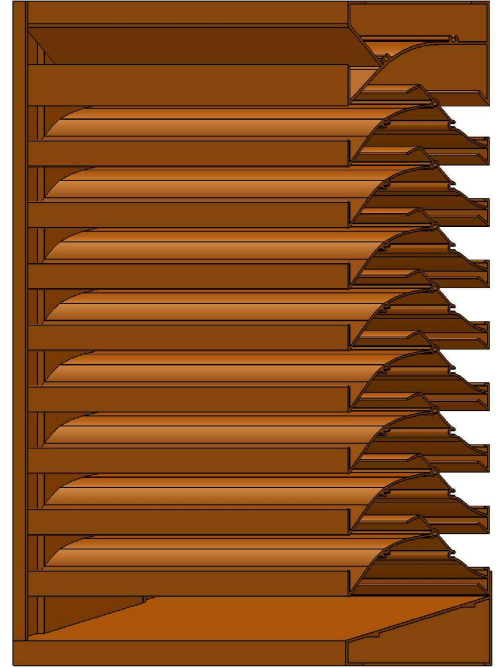
- Bird Screen - 1/2" x 0.063" Flattened Expanded Aluminum
- Insect Screen - 18 x 14 Mesh Charcoal Aluminum
- Extended Sill Flashing
- Insulated & Non-Insulated Blank Off Panels
- Flanged & Glazing Frames
- Invisible Mullions for Continuous Blade Appearance

## 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 5" (127 mm) Storm Performance Louver Model SP537DC 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 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, and frame will be caulked to prevent water penetration to interior wall construction.



IMPACT RESISTANT LOUVER  
Enhanced Protection

See www.AMCA.org for all certified or listed products

This label does not signify AMCA airflow performance certification.



NOA 21-1012.02

Florida Product Approval #FL40274



REV: APRIL 2022



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## PERFORMANCE

- Free Area = 8.15 ft<sup>2</sup> (50.9%)
- Beginning of Water Penetration = 1195 fpm / 9739 cfm
- Air Flow @ ΔP of 0.15" Water = 722 fpm / 5884 cfm
- \*All Ratings Based on 48" x 48" Test Specimen
- \*Ratings Include the Effect of a Sill Pan

## STRUCTURAL AND IMPACT TESTING

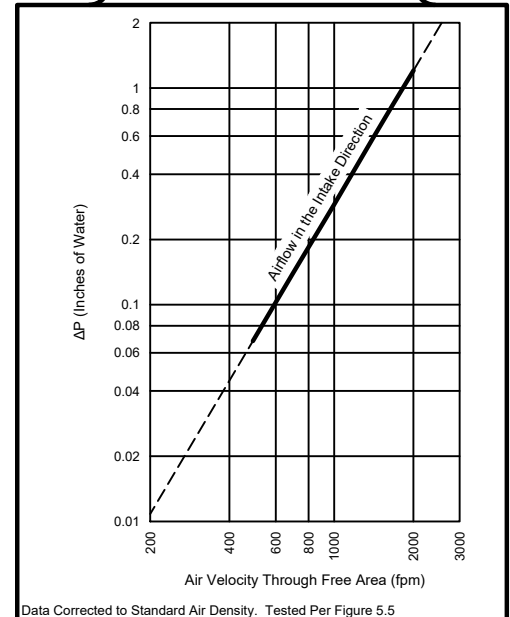
- AMCA 540 Enhanced Protection Level E Missile Impact
- TAS-201 Large Missile Impact
- TAS-202 Uniform Static Pressure
- TAS-203 Cyclic Pressure

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

Louver Height	120 in	5.06	10.85	16.63	22.42	28.20	33.99
	108 in	4.54	9.72	14.91	20.09	25.27	30.46
	96 in	4.01	8.59	13.17	17.75	22.34	26.92
	84 in	3.48	7.46	11.43	15.41	19.39	23.36
	72 in	2.95	6.33	9.71	13.08	16.46	19.83
	60 in	2.43	5.20	7.97	10.74	13.52	16.29
	48 in	1.84	3.94	6.05	8.15	10.25	12.35
	36 in	1.31	2.81	4.31	5.81	7.31	8.81
	24 in	0.79	1.68	2.58	3.48	4.38	5.28
	12 in	0.29	0.62	0.95	1.28	1.61	1.94
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



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	-	-	-	-	377 fpm	464 fpm	585 fpm	679 fpm
Wind Velocity: 29 mph	Effectiveness	-	-	-	-	100.0%	99.4%	98.5%	98.0%
	Penetration Class	A	A	A	A	A	A	B	B
Rainfall Rate: 8 in/hr	Core Velocity	-	-	190 fpm	289 fpm	405 fpm	500 fpm	582 fpm	687 fpm
Wind Velocity: 50 mph	Effectiveness	-	-	99.7%	99.5%	99.2%	98.7%	98.4%	96.7%
	Penetration Class	A	A	A	A	A	B	B	B

- Discharge Loss Coefficient = 0.28 (Class 3)



Industrial Louvers, Inc. certifies that the Model SP537DC shown hereon 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. The AMCA Certified Ratings Seal applies to air performance ratings, water penetration ratings, and wind driven rain. The AMCA Listing Label applies to Wind Borne Debris Impact Resistant Louvers.  
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