

MODEL VS537

STANDARD CONSTRUCTION - FRONT FIXED BLADE LOUVER

- **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

STANDARD CONSTRUCTION - REAR ADJUSTABLE BLADE LOUVER

- **Material:** Aluminum 5005-H34, Aluminum 6063-T6
- **Frame:** 6.875" (175 mm) Deep, 0.080" (2.1 mm) Wall Thickness
- **Blade:** Adjustable Angle, 0.080" (2.1 mm) Wall Thickness
- **Blade Spacing:** 5.25" (133 mm) On Center

OPTIONAL ACCESSORIES

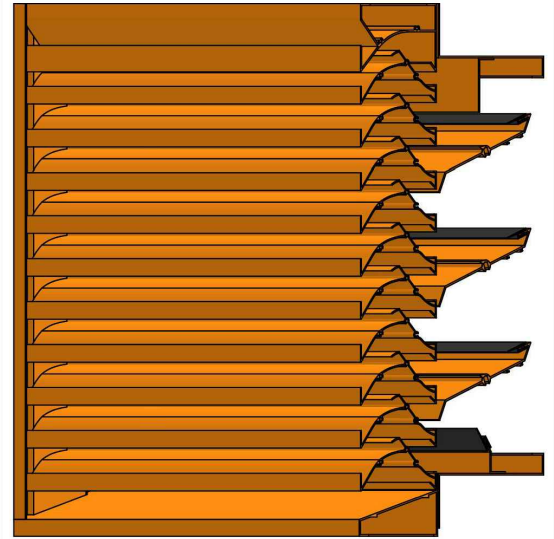
- Bird Screen - 1/2" x 0.063" Flattened Expanded Aluminum
- Insect Screen - 18 x 14 Mesh Charcoal Aluminum
- Extended Sill Flashing
- Flanged & Glazing Frames
- Invisible Mullions for Continuous Blade Appearance

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
- *Fluoropon Pure® is Living Building Challenge Red List Free
*Custom Colors Available

SUGGESTED SPECIFICATIONS

- **General:** Furnish and install where indicated on drawings
12" (305 mm) High Performance Louver Model VS537 as manufactured by Industrial Louvers, Inc. Delano, MN.
- **Material:** Front fixed blade louver assembly shall utilize the exact components and methods of assembly as the Model SP537DC by Industrial Louvers to ensure satisfactory structural and impact performance. Rear adjustable blade louver assembly shall allow adjustment of blades between fully open and fully closed to be used during normal operation and a severe storm, respectively.



HIGH VELOCITY RAIN
RESISTANT WITH BLADES
FULLY CLOSED 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.



MODEL VS537

AMCA 500-L PERFORMANCE (SP537DC Only*)

- Free Area = 8.15 ft² (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, IMPACT, & HWVDR TESTING*

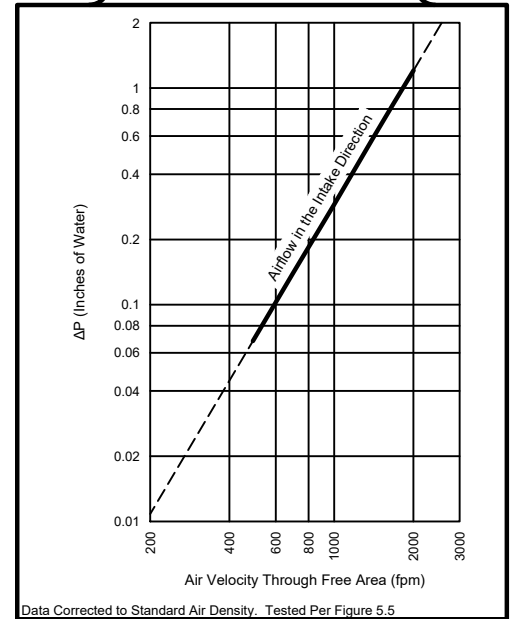
- AMCA 540 Enhanced Protection Level E Missile Impact
- AMCA 550 High Velocity Wind Driven Rain
- TAS-201 Large Missile Impact
- TAS-202 Uniform Static Pressure
- TAS-203 Cyclic Pressure

FREE AREA (ft²)

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 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	-	-	-	-	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)

*All AMCA 500-L ratings shown hereon are for the model SP537DC. Effects of the rear mounted adjustable louver assembly have NOT been considered in any AMCA 500-L ratings. AMCA 540, TAS-201, TAS-202, and TAS-203 testing was performed WITHOUT the rear adjustable louver assembly installed. AMCA 550 testing was performed WITH the rear adjustable louver assembly installed and in the CLOSED position.



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

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Industrial Louvers, Inc. certifies that the Model VS537 shown hereon 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 Listing Label Program. The AMCA Listing Label applies to Wind Borne Debris Impact Resistant Louvers and High Velocity Wind Driven Rain Resistant Louvers. © 2022 Industrial Louvers. All rights reserved.

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