

# MODEL P701

## STANDARD CONSTRUCTION

- **Material:** Extruded Aluminum 6063-T6
- **Frame:** 7" (178 mm) Deep, 0.081" / 0.100" (2.1 / 2.5 mm) Thickness
- **Blade:** 7" (178 mm) Deep, 0.081" (2.1 mm) Wall Thickness
- **Blade Spacing:** 3.375" (85.7 mm) On Center
- **Face Plate:** 0.125" (3.2 mm) Perf. Alum. 1/2" Dia. Holes 11/16" O.C.
- **Sill Flashing:** 0.063" (1.6 mm) Formed Aluminum W/ End Dams

## OPTIONAL ACCESSORIES

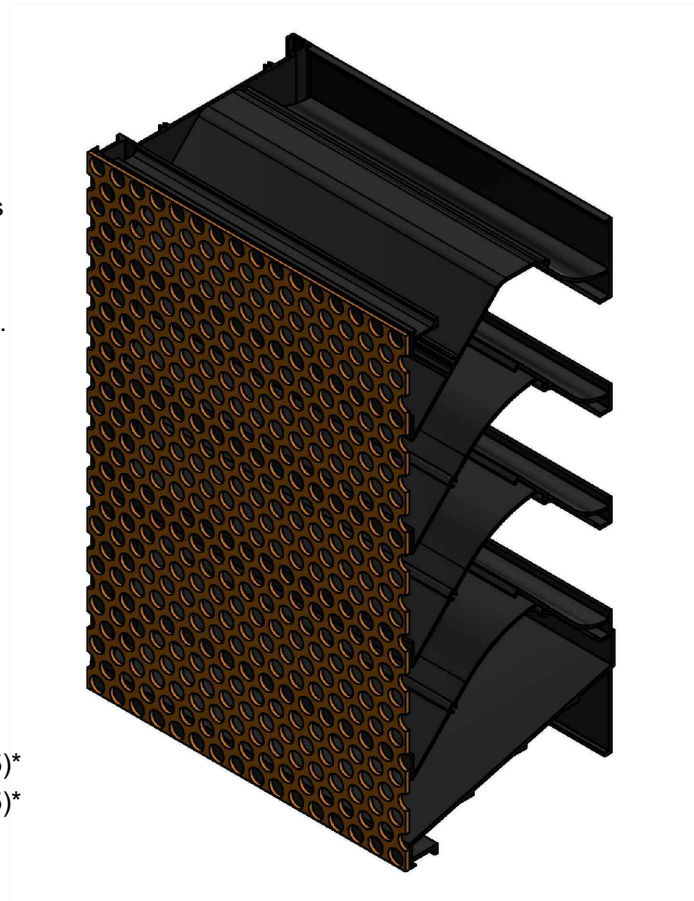
- Bird Screen - 1/2" x 0.063" Flattened Expanded Aluminum
- Insect Screen - 18 x 14 Mesh Charcoal Aluminum
- Extended Sill Flashing
- Insulated & Non-Insulated Blank Off Panels
- Hinged Access Panels

## FINISHES

- **Face Plate Finish Options**
  - **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
- **Rear Louver Finish**
  - Black 2-Coat Fluoropon Pure® 70% PVDF (AAMA 2605)

## SUGGESTED SPECIFICATIONS

- **General:** Furnish and install where indicated on drawings  
7" (178 mm) Storm Performance Louver Model P701 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 material thickness of 0.081" (2.1 mm). Frames and blades shall be joined by stainless steel fasteners, and frame will be caulked to prevent water penetration to interior wall construction. Face plate shall be 0.125" (3.2 mm) thick perforated aluminum with 1/2" diameter holes on 11/16" staggered centers.



REV: JANUARY 2021

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## PERFORMANCE

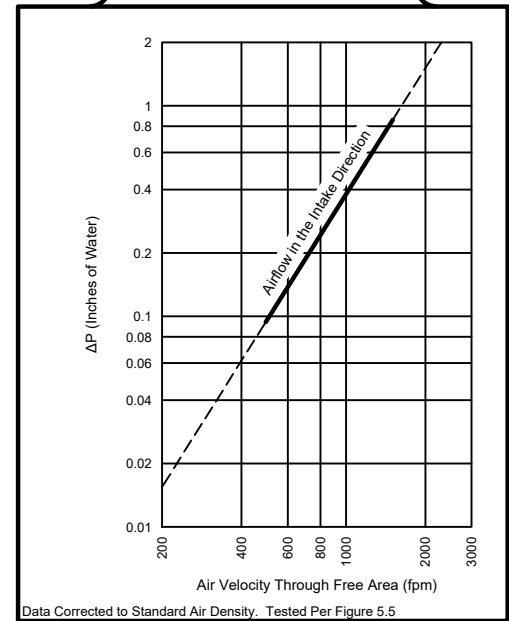
- Free Area = 9.10 ft<sup>2</sup> (56.9%)
  - \*Perforated face plate is approximately 48% open
- Beginning Point of Water Penetration = 992 fpm / 9027 cfm
- Air Flow @ ΔP of 0.15" Water = 626 fpm / 5696 cfm
  - \*All Ratings Based on 48" x 48" Test Specimen
  - \*Ratings Include the Effect of a Sill Pan

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

Louver Height	120 in	5.62	12.05	18.48	24.91	31.34	37.77
	108 in	5.00	10.72	16.44	22.16	27.88	33.60
	96 in	4.43	9.50	14.57	19.64	24.71	29.78
	84 in	3.82	8.18	12.54	16.90	21.26	25.62
	72 in	3.24	6.95	10.66	14.37	18.08	21.79
	60 in	2.63	5.63	8.63	11.63	14.63	17.64
	48 in	2.06	4.40	6.75	9.10	11.45	13.80
	36 in	1.48	3.18	4.88	6.57	8.27	9.97
	24 in	0.87	1.86	2.85	3.83	4.82	5.81
	12 in	0.30	0.63	0.97	1.31	1.64	1.98
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	-	-	193 fpm	285 fpm	375 fpm	466 fpm	584 fpm	692 fpm
Wind Velocity: 29 mph	Effectiveness	-	-	99.3%	99.3%	99.2%	98.8%	97.4%	93.4%
	Penetration Class	A	A	A	A	A	B	B	C
Rainfall Rate: 8 in/hr	Core Velocity	0 fpm	104 fpm	212 fpm	283 fpm	397 fpm	499 fpm	570 fpm	683 fpm
Wind Velocity: 50 mph	Effectiveness	97.6%	97.2%	96.6%	95.9%	94.2%	92.5%	91.6%	85.5%
	Penetration Class	B	B	B	B	C	C	C	C
■ Discharge Loss Coefficient = 0.26 (Class 3)									

All performance data is based on testing performed on the rear louver core only. Effects of the perforated face plate have not been evaluated. Performance is not certified or guaranteed.

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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
- Hinged Access Panels

## FINISHES - Select One

- **Face Plate Finish Options**
  - **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
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- **Rear Louver Finish**
  - Black 2-Coat Fluoropon Pure® 70% PVDF (AAMA 2605)

Mark	Qty	Circle One: Louver Size / Rough Opening		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.

