

Hurricane Louver

IL68

6" Deep • Fixed Chevron Blade • Severe Weather Louver

STANDARD CONSTRUCTION

- HEAD:** .125" thick; extruded 6063-T6 aluminum
SILL: .125" thick; extruded 6063-T6 aluminum
JAMBS: .080" thick; extruded 6063-T6 aluminum
BLADES: .081" thick; extruded 6063-T6 aluminum
SILL PAN: .060" thick; formed aluminum
BLADE SPACING: 1.625"
ASSEMBLY: Mechanical fastened
FINISH: Mill
SCREEN: 1/2" removable expanded aluminum bird screen located on interior
MULLIONS: Exposed, vertical with 1.75" x .08" 6063-T5 extruded aluminum cover (multiple panels only)
DESIGN DATA: NOA Pending - TAS 100 with damper in sleeve, TAS 201, 202, 203
 ASTM E1996 "E", ASTM E330, ASTM E1886

This system has been tested for water infiltration resistance and is a water resistant system when an A20/A21 or A28/A29 damper is installed with the louver panel.

OPTIONS

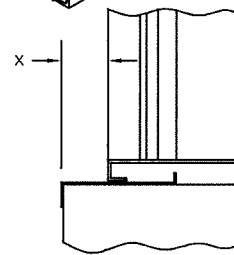
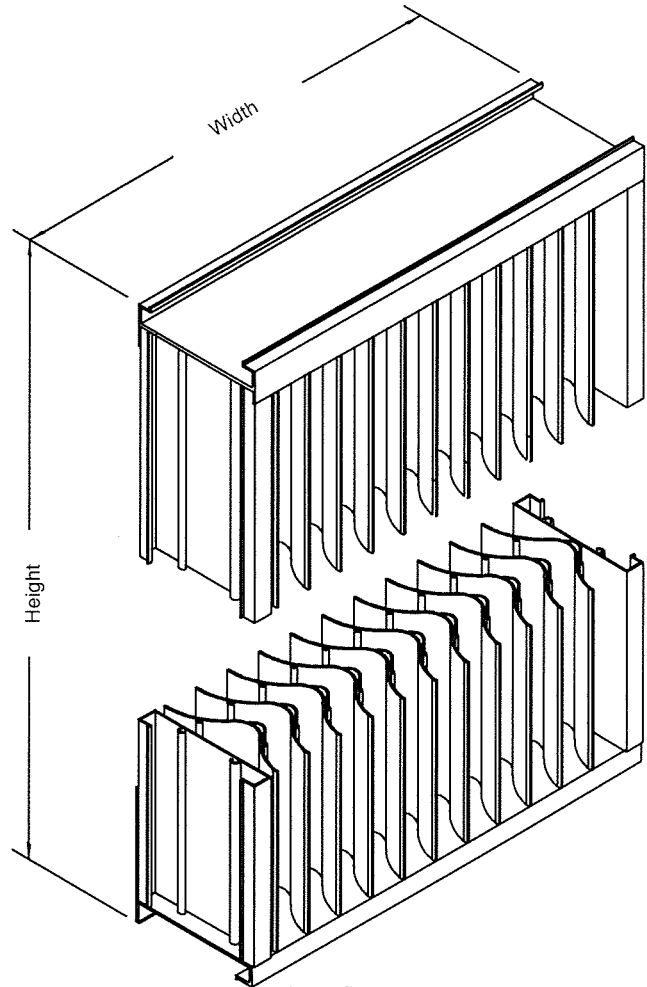
Finishes - Baked Enamel, Kynar, Anodize
 Variety of bird and insect screens
 Extended Sill (Formed .063" aluminum)
 Flange Frame 1 1/2"W x 1/8" thick
 Architectural Vertical Mullion
 Sleeve
 Sleeve with Damper

NOTES

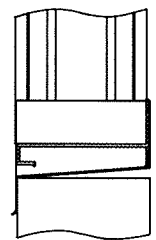
1. "A" width and "B" height are opening dimensions. Louvers are provided approximately 1" undersize.
2. Louver panels may be butted together to infinite width with a maximum height of 96". Maximum single panel is 48"W x 96"H.
3. Approved opening types: wood, steel, or concrete/masonry (masonry acceptable at jambs only, head and sill must be concrete). Anchoring details may vary.
4. Units are supplied with 2" x 2" mounting angles and mounting hardware for concrete installation as a standard. Please specify if louvers are to be mounted in substrate other than concrete, OR if the installation will require a 2" x 4" mounting angle. Larger, 2" x 4" mounting angles may be required to either maintain the minimum edge distance, or to ensure that the screws don't penetrate the sill pan of the louver.
5. See installation sketches for required mounting structure.

LOUVER SIZE

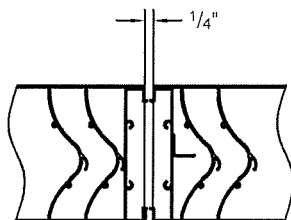
Panels	Min Panel	Max Single Panel
IL68	12"W x 12"H	48"W x 96"H



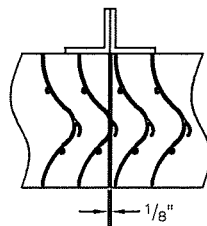
Optional Extended Sill



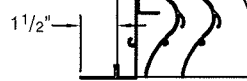
Standard Sill Pan



Standard Exposed Vertical Mullion



Optional Architectural Vertical Mullion



Optional Flange Frame

Louvers & Dampers certifies that the model IL68 louver 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 AMCA Certified Ratings Program. The AMCA Certified Ratings Seal applies to Water Penetration and Air Performance Ratings only.



Louvers & Dampers

A Mason Company

SD-IL68-08.12

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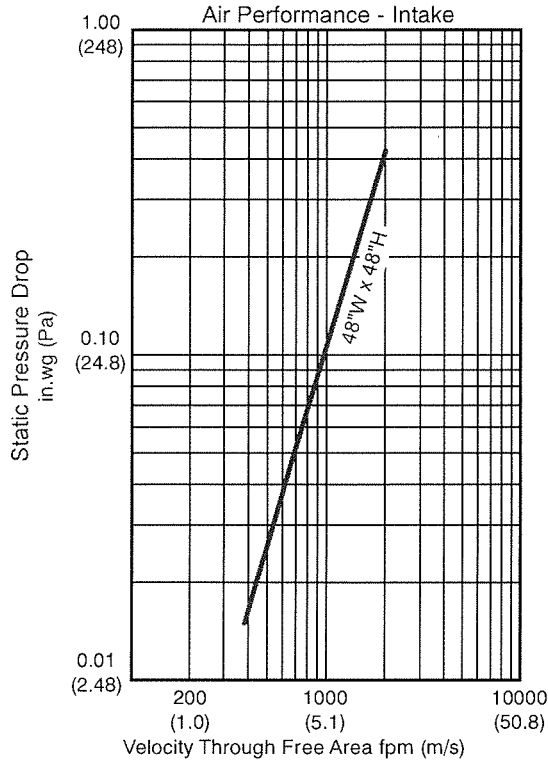
December 2008

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Air Performance: 0.164 in.wg (40.6 Pa) at 1250 fpm (6.35 m/s) and 9813 scfm (4.63 scm/s)

Free Area: 7.85 sq.ft. (0.729 sq.m) = 49.1% for 48"W x 48"H (1.22m x 1.22m) test size

1. Test size is 48"W x 48"H (1.2m x 1.2m)
2. Ratings do not include the effect of a screen.
3. Data is at standard air density (0.75 lbs/cu ft.).



Free Area in sq.ft. (sq m)

Height	Width								
		12	24	36	48	60	72	84	96
12	(305)	0.28 (0.026)	0.67 (0.062)	1.09 (0.101)	1.52 (0.141)	1.90 (0.177)	2.33 (0.216)	2.71 (0.252)	3.14 (0.292)
24	(610)	0.67 (0.062)	1.59 (0.148)	2.61 (0.242)	3.63 (0.337)	4.55 (0.423)	5.56 (0.517)	6.48 (0.602)	7.50 (0.697)
36	(914)	1.07 (0.099)	2.52 (0.234)	4.13 (0.384)	5.74 (0.533)	7.19 (0.668)	8.80 (0.818)	10.25 (0.952)	11.86 (1.102)
48	(1219)	1.46 (0.136)	3.44 (0.320)	5.65 (0.525)	7.85 (0.729)	9.83 (0.913)	12.04 (1.119)	14.02 (1.303)	16.22 (1.507)
60	(1524)	1.85 (0.172)	4.37 (0.406)	7.16 (0.665)	9.96 (0.925)	12.48 (1.159)	15.27 (1.419)	17.79 (1.653)	20.59 (1.913)
72	(1829)	2.24 (0.208)	5.30 (0.492)	8.68 (0.806)	12.07 (1.121)	15.12 (1.405)	18.51 (1.720)	21.56 (2.003)	24.95 (2.318)
84	(2134)	2.63 (0.244)	6.22 (0.578)	10.20 (0.946)	14.18 (1.317)	17.77 (1.651)	21.75 (2.021)	25.33 (2.353)	29.31 (2.723)
96	(2438)	3.03 (0.281)	7.15 (0.664)	11.72 (1.089)	16.29 (1.513)	20.41 (1.896)	24.98 (2.321)	29.11 (2.704)	33.68 (3.129)

Ratings do not include the effect of a wire birdscreen.

Test based on a 48"W x 48"H test size per AMCA Standard 511.

Blade Spacing	Rainfall Rate	Wind Velocity	Core Velocity	Airflow	Free Area Velocity	Water Penetration Effectiveness	Discharge Loss Coefficient
2" (50.8 mm)	3 in/hr (76 mm/h)	29 mph (46.7 kph)	980 fpm (5 m/s)	10546 cfm (299 m³/min)	2170 fpm (11 m/s)	100% - Class A	≥ 0.4 - Class 1
2" (50.8 mm)	8 in/hr (203 mm/h)	50 mph (80.47 kph)	784 fpm (4 m/s)	8440 cfm (239 m³/min)	1736 fpm (8.8 m/s)	99.2% - Class A	≥ 0.4 - Class 1
2" (50.8 mm)	8 in/hr (203 mm/h)	50 mph (80.47 kph)	877 fpm (4.5 m/s)	9445 cfm (267 m³/min)	1943 fpm (9.9 m/s)	99.1% - Class A	≥ 0.4 - Class 1
2" (50.8 mm)	8 in/hr (203 mm/h)	50 mph (80.47 kph)	982 fpm (5 m/s)	10578 cfm (300 m³/min)	2176 fpm (11 m/s)	99.1% - Class A	≥ 0.4 - Class 1

Wind Driven Rain Performance Test based on 39.37"W x 39.37"H (1m x 1m) Core Area Louver with 5.88 ft² (0.546m²) Free Area.

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Louvers & Dampers

In the interest of product development, Louvers & Dampers reserves the right to make changes without notice.

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