

MODEL A681C

6" Deep • Non-Drainable • Combination Adjustable And Stationary Extruded Aluminum Louver

STANDARD MATERIALS AND CONSTRUCTION

FRAME: .080" thick nominal; 6063-T6/T52 extruded aluminum alloy

BLADES: Stationary blade .080" thick nominal ; 6063-T6/T52 extruded aluminum alloy
Adjustable blade .125" thick nominal; 6063-T6/T52 extruded aluminum alloy

FACE OF LOUVER: Full width sill with head and blades contained within the jambs

LINKAGE: Extruded aluminum, concealed in channel out of airstream. Pivots are .50 dia. machined steel. Cadmium plated and chromate treated. Pivots rotate in a celcon bearing. A .312" dia. Aluminum linkage rod is locked to the pivot by a 1/4 - 20 set screw with epoxy locking patch.

SHAFT: .50 dia. aluminum "Pin-Lock" Rod

BLADE SEALS: Extruded silicone rubber seal at blade edge.

JAMB SEALS: Stainless steel jamb seals

SCREEN: 1/2" x .051" flattened aluminum bird screen

FINISH: Mill

OPTIONS

Finish - Baked Powder Polyester , Kynar, or Anodize

Variety of Bird and Insect Screen

1 3/8" Usable Flange Frame (Either Face)

Blank-off Panels

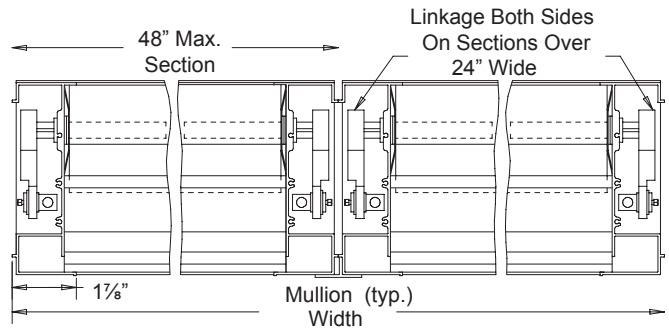
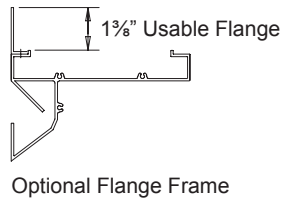
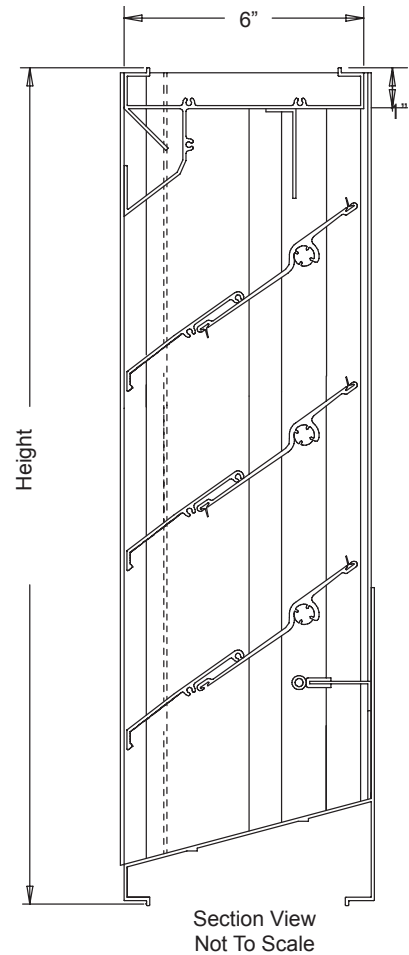
Actuators (Electric, Pneumatic, Manual, etc.)

NOTES

- "A" width and "B" height are opening dimensions. Louvers are provided approximately 1/2" undercut.
- Shipping weight approximately 5.7 lbs./sq.ft.

LOUVER SIZES

Panels	Min Panel	Max Single Panel
A681C	12"W x 16H	48"W x 96"H

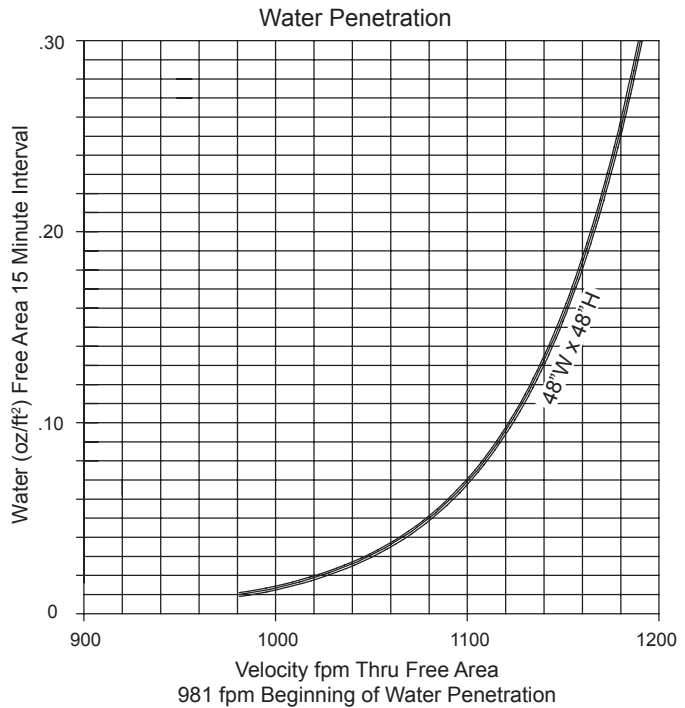
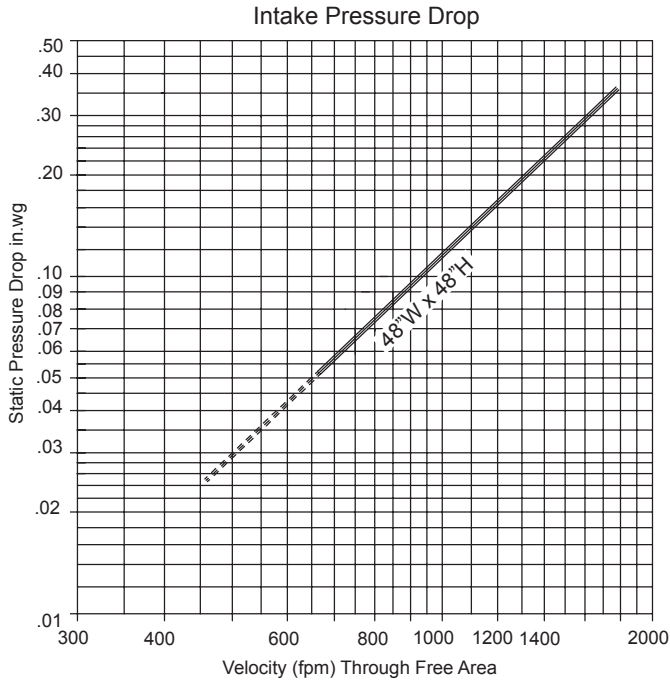


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Water Penetration: 900 fpm recommended maximum free area velocity
 Pressure Drop: 0.12 in.wg at 981 fpm and 8221 scfm
 Free Area: 8.38 sq.ft. = 52% for 48"W x 48"H test size

Ratings do not include effects of birdscreen

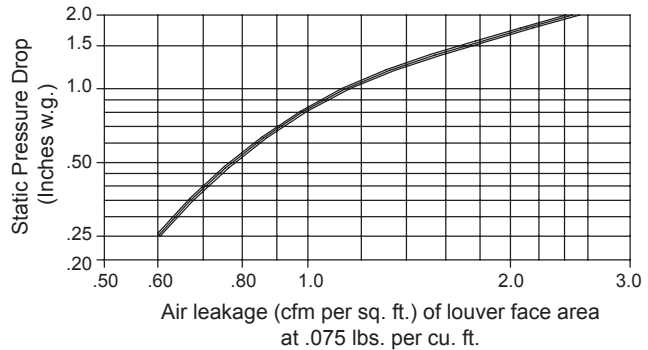


Free Area sq.ft.

		Width						
		12"	18"	24"	30"	36"	42"	48"
Height	12"	0.14	0.24	0.34	0.45	0.56	0.65	0.76
	24"	0.66	1.15	1.65	2.14	2.64	3.13	3.63
	36"	1.04	1.82	2.60	3.38	4.16	4.94	5.71
	48"	1.55	2.72	3.88	5.04	6.12	7.37	8.38
	60"	2.07	3.63	5.18	6.74	8.29	9.85	11.40
	72"	2.45	4.29	6.13	7.97	9.81	11.65	13.49
	84"	2.97	5.19	7.42	9.64	11.87	14.09	16.31
	96"	3.49	6.10	8.72	11.34	13.95	16.57	19.18

Air leakage (louver installation position, intake) is per AMCA Standard 500 Procedure Fig. 5.5.

Air Leakage with adjustable blade in closed position with a seating torque of 6.25 in. lb. // sq. ft. of louver face area. Leakage is based on a test of a 48" x 48" louver.



Air Balance certifies that the Model A681C Louver shown herein is licensed to bear the AMCA seal. The rating shown are based on test and procedures performed in accordance with AMCA Publication 511 and comply with the requirements of the AMCA Certified rating program. The AMCA Certified Ratings Seal applies to Air Performance Ratings and Water Penetration Ratings.

In the interest of product development, Air Balance reserves the right to make changes without notice.
 P.O. Box 606 • Florence, KY 41042 • Phone: (859) 538-3400 • Fax: (859) 647-7810

