

MODEL A675

6" Deep • Drainable Blade • Combination • Rain Resistant Extruded Aluminum Louver

STANDARD MATERIALS AND CONSTRUCTION

EXTERIOR FRAME: .081" thick; 4" deep; 6063-T6/T52 extruded aluminum alloy

INTERIOR FRAME: .063" thick; 2" deep; 6063-T6/T52 extruded aluminum alloy

BLADES: Sight proof double blade with exterior blade at a 37° angle

DRAIN SILL PAN: .060" thick; formed aluminum

ASSEMBLY: Mechanically fastened

SCREEN: 1/2" x .051" flattened aluminum birdscreen

FINISH: Mill

OPTIONS

Finish - Baked Enamel, Kynar, or Anodize

Variety of Bird and Insect Screen

1 3/8" Usable Flange Frame (Front Face Only)

Welded Construction

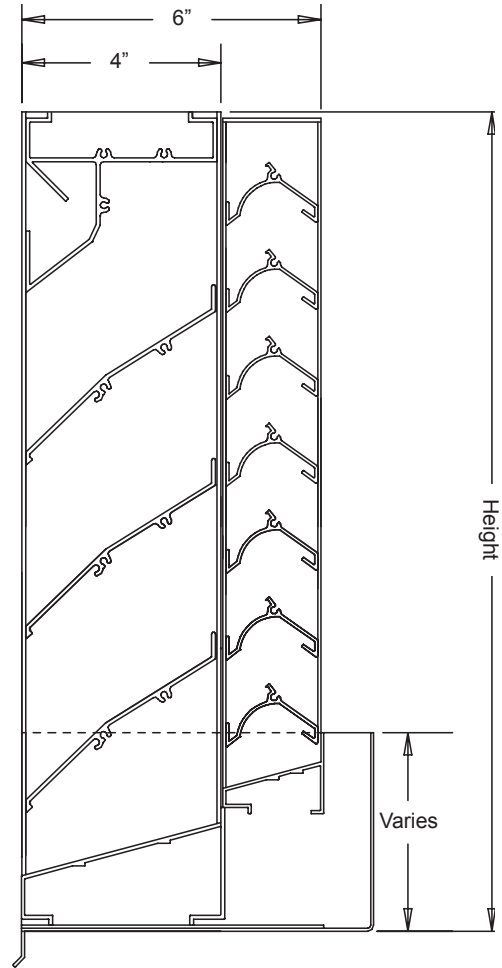
Blank-off Panels

NOTES

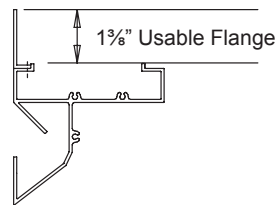
- "A" width and "B" height are opening dimensions. Louvers are provided 1/2" undercut.
- Shipping weight approximately 9 lbs./sq.ft.

LOUVER SIZES

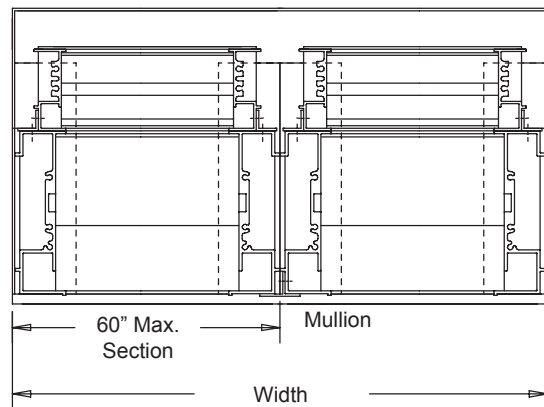
Panels	Min Panel	Max Single Panel
A675	12"W x 12"H	60"W x 96"H



Section View



Optional Flange Frame



air balance

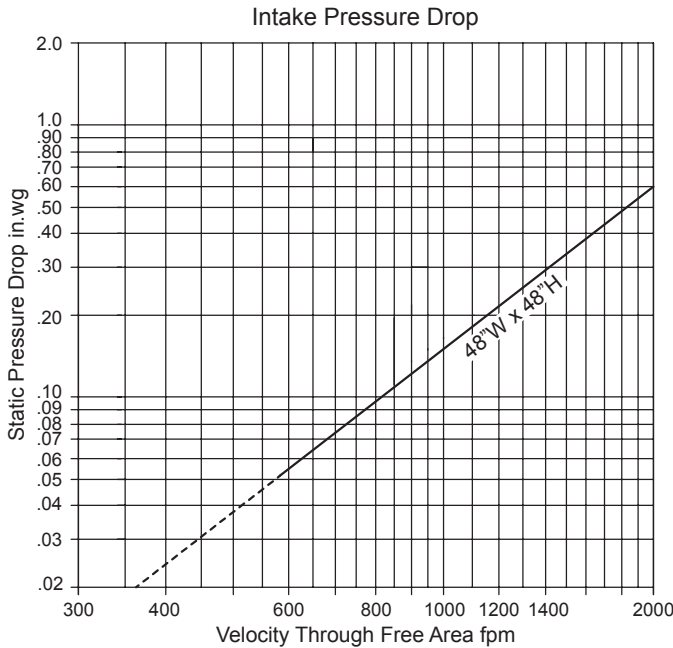
Dampers  Louvers
UL Life Safety Products
Division of Mestek
Member of AMCA

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Pressure Drop: 0.097 in.wg at 800 fpm and scfm
 Free Area: 7.07 sq.ft. = 44% for 48"W x 48"H test size

Ratings do not include the effect of birdscreen.



Free Area sq.ft

Height	Width								
	12"	18"	24"	30"	36"	42"	48"	54"	60"
12"	0.17	0.29	0.40	0.51	0.62	0.73	0.84	0.95	1.06
24"	0.58	0.96	1.33	1.70	2.08	2.45	2.82	3.20	3.57
36"	0.99	1.63	2.26	2.90	3.54	4.17	4.81	5.44	6.08
48"	1.40	2.30	3.20	4.10	4.99	5.89	6.79	7.69	8.58
60"	1.81	2.97	4.13	5.29	6.45	7.61	8.77	9.93	11.09
72"	2.22	3.64	5.07	6.49	7.91	9.33	10.75	12.17	13.59
84"	2.63	4.32	6.00	7.68	9.37	11.05	12.73	14.42	16.10
96"	2.98	4.89	6.80	8.71	10.62	12.52	14.43	16.34	18.25

Discharge Coefficient
 Intake Cd = 0.33 (Class 2)

Wind Driven Rainwater Penetration Test Conducted to AMCA Standard 500-L-99

Test Size 39.37"W x 39.37"H (1m x 1m) Core Area, Nominal Louver Free Area is 5.24ft²

Core Ventilation (m/s)	0.0	0.5	1.0	1.5	2.0	2.5	3.0	3.5	Ranfall/mph 3 in/hr Rainfall and 29 mph Velocity
fpm	0	136	187	303	379	475	577	686	
Free Area Ventilation (cfm)	0	1469	2013	3259	4080	5110	6215	7382	
Free Area Velocity (fpm)	0	260	357	578	723	906	1102	1309	
Effective Rating Class	A	A	B	B	B	B	C	C	

Wind Driven Rain Penetration Classifications

Class	Effectiveness %
A	1 - 0.99%
B	0.989 - 0.95%
C	0.949 - 0.80%
D	Below 0.80%

Discharge Loss Coefficient Classifications

Class	Discharge Loss Coefficient
1	0.4 and above
2	0.3 - 0.399
3	0.2 - 0.299
4	0.199 and below

Class I Loss Coefficient has the least Resistance to Airflow

1. Core Area is the front opening of a louver assembly with the blades removed.
2. Core Area Velocity is the airflow rate through the louver divided by the core area (39.37" x 39.37")
3. Free Area is the minimum area through which air can pass. It is determined by multiplying the sum of the minimum distances between intermediate blades, top blade and head, bottom blade and sill, by the minimum distance between jambs.
4. Discharge Loss Coefficient is calculated by dividing a louver actual airflow rate vs. a theoretical airflow for the opening, providing an indication of the louver air flow characteristics.



Air Balance certifies that the Model A675 shown herein is licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with the AMCA Publication 511 and comply with the requirements of the AMCA Certified Ratings Program. The AMCA Certified ratings seal applies to Air Performance Ratings and Wind Driven Rain Penetration Ratings.

