Severe Weather Louver • 7" Deep • Combination Stationary • Drainable and Chevron Blades • Sightproof • Extruded Aluminum

Standard Construction and Materials

FRAME: .081" thk. (nominal) extruded aluminum, 6063-T52/T6 alloy. **BLADE:** .081" thk. (nominal) extruded aluminum, 6063-T52/T6 alloy.

Horizontal drain blades approximately 3" on center, vertical

blades approximately 13/16" on center.

LOUVER FACE: Head and blades are contained within jambs, sill contains

jambs.

SCREENS: (When indicated, in a removable frame.)

½" flattened aluminum (.051" thick),

-or- ½" sq. mesh, intermediate double-crimped aluminum

wire, .063" dia.,

-or- 18/16 mesh, .011" dia. aluminum wire, insect screen. **DRAIN PAN:** .060" thk. (nominal) formed aluminum with welded and caulked end dams.

FINISH: Mill

Options

Finish - Baked Enamel, Kynar, Anodized

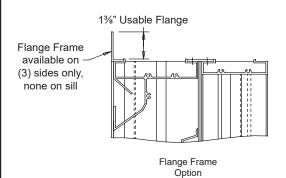
Notes

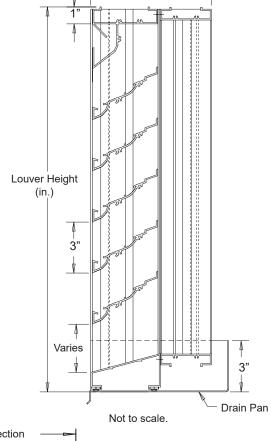
- 1. Nominal deductions will be made to the opening size given.
- 2. Louvers larger than the maximum factory assembled size will require field assembly of smaller louver sections.
- 3. Approximate shipping weight is 10.5 lbs./sq.ft.
- 4. Maximum single panel width is 60", maximum single panel height is 96". Total single panel size cannot exceed 30 sq. ft.

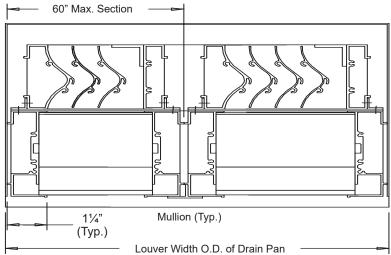
Louver Sizes

Min Panel	Max Single Panel
12"W x 12"H	60"W x 96"H or 30 sq. ft. (See Note 4)

This louvers has been tested to AMCA Standard 550 for High Velocity Rain Resistance. See Page 2 for seal and listing information.







14 #	O+	Width	Height	Width	Height	NA. III a.a	Туре	Location			B
<u>ltem #</u>	<u>Oty</u>	<u>Openi</u>	ning Size <u>Louver Size</u>		<u>Mullion</u>	<u>Screens</u>				<u>Union Made</u>	
Arch. /	' Eng.:					EDR:		ECN:		<u>Job:</u>	
<u>Contr</u>	ractor:										
<u>P</u> 1	roject:					<u>Date:</u>		<u>DWN:</u>	·	<u>DWG:</u>	

In the interest of product development, Cesco Products reserves the right to make changes without notice.



450 Riverside Dr • Wyalusing PA, 18853 Phone: 570-746-1888 • Fax: 570-746-9286 www.cescoproducts.com Severe Weather Louver • 7" Deep • Combination Stationary • Drainable and Chevron Blades • Sightproof • Extruded Aluminum

Performance Data

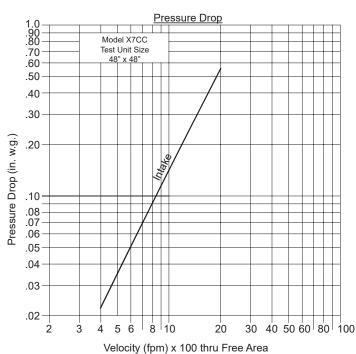
Pressure Drop: .022 in. wg at 398 fpm

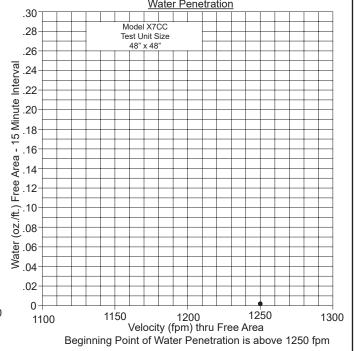
Free Area: 6.78 sq.ft.(42.4%) for 48"W x 48"H sample tested in accordance with AMCA Standard 500-L.

Beginning Point of Water Penetration: Greater than 1250 fpm

Class "A" Rating with 100% efficiency at 3 in. rain fall at intake velocity of 1559 fpm (10,571 cfm) at wind speed of 29 mph. Class "A" Rating with 100% efficiency at 8 in. rain fall at intake velocity of 1568 fpm (10,634 cfm) at wind speed of 50 mph. Testing based on 48" x 48" based on AMCA Standard 500-L.

Ratings do not include effects of a screen.





Intake air converted to standard air density. Tested to AMCA Standard 500-L, Figure 5.5.

Free Area (sq.ft.)

		Width (in.)									
		12"	18"	24"	30"	36"	42"	48"	54"	60"	
	12"	.26	.44	.62	.79	.97	1.15	1.32	1.50	1.68	
	24"	.62	1.03	1.45	1.86	2.27	2.69	3.10	3.51	3.93	
	36"	.99	1.64	2.30	2.96	3.61	4.27	4.93	5.59	6.24	
ıt (in.)	48"	1.36	2.26	3.17	4.07	4.98	5.88	6.78	7.69	8.59	
Height	60"	1.71	2.85	3.99	5.14	6.28	7.42	8.56	9.70	10.84	
=	72"	2.07	3.45	4.82	6.20	7.58	8.96	10.34	11.71	13.09	
	84"	2.42	4.04	5.65	7.27	8.88	10.50	12.11	13.73	15.34	
	96"	2.80	4.67	6.54	8.41	10.28	12.15	14.02	15.89	17.76	

^{*} For highlighted sizes, see Note 4 on Page 1.



HIGH VELOCITY RAIN RESISTANT WITH BLADES FULLY OPEN

s label does not sign CA airflow performa

Cesco Products certifies that the Model X7CC shown herein 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 High Velocity Rain Resistant Louvers.



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

Test size 1m x 1m (39.7" x 39.7") core area, 43.25" x 45.375" nominal. Louver Free Area 6.78 square feet.

Core Ventilation (m/s)	0.0	0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0	Rain Fall / MPH	
FPM	-	-	-	-	-	-	-	-	-	-	982		
Free Area Ventilation (cfm)	-	-	-	-	-	-	-	-	-	-	10,571	3 in. / hr. rain fall	
Free Area Velocity (fpm)	-	-	-	-	-	-	-	-	-	-	1,559	and	
Effective Rating Class	Α	Α	Α	Α	Α	Α	А	Α	Α	Α	Α	29 mph Velocity	
Effectiveness Ratio (%)	-	-	-	-	-	-	-	-	-	-	100	velocity	
FPM	-	-	-	-	-	-	-	-	-	-	988		
Free Area Ventilation (cfm)	-	-	-	-	-	-	-	-	-	-	10,634	8 in. / hr. rain fall	
Free Area Velocity (fpm)	-	-	-	-	-	-	-	-	-	-	1,568	and	
Effective Rating Class	Α	Α	Α	Α	Α	Α	А	Α	Α	Α	Α	50 mph Velocity	
Effectiveness Ratio (%)	-	-	-	-	-	-	-	-	-	-	100	Volocity	

Wind Driven Rain Penetration Classifications

Class	Effectiveness %
А	100 to 99%
В	98.9% to 95%
С	94.9% to 80%
D	Below 80%

Discharge Loss Coefficient Classifications

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

Discharge Coefficient

Intake Cd= .33 (CLASS 2)

Class 1 Loss Coefficient has the least resistance to airflow.

- Core area is the front opening of a louver assembly with the blades removed.
- Core area velocity is the airflow rate through the louver divided by the core area (39.37" x 39.37").
- Free area is the minimum area through which air can pass. It is determined by multiplying the sum of the minimum distance between intermediate blades, top blade and head, bottom blade and sill, by the minimum distance between jambs.
- 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.



Cesco Products certifies that the Model X7CC 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 the AMCA Certified Ratings Program. The AMCA Certified Ratings Seal applies to Air Performance, Water Penetration, and Wind Driven Rain only.

