

Standard Construction and Materials

- FRAME:** .081" thick (nominal) extruded aluminum, 6063-T52/T6 alloy. Channel frame.
- BLADE:** .081" thick (nominal) extruded aluminum, 6063-T52/T6 alloy.
- SCREEN:** ½" removable expanded aluminum bird screen. (Located on interior.)
- FINISH:** Mill

Options

- Finish - Baked Enamel, Kynar, Anodize
- Drain Pan

Notes

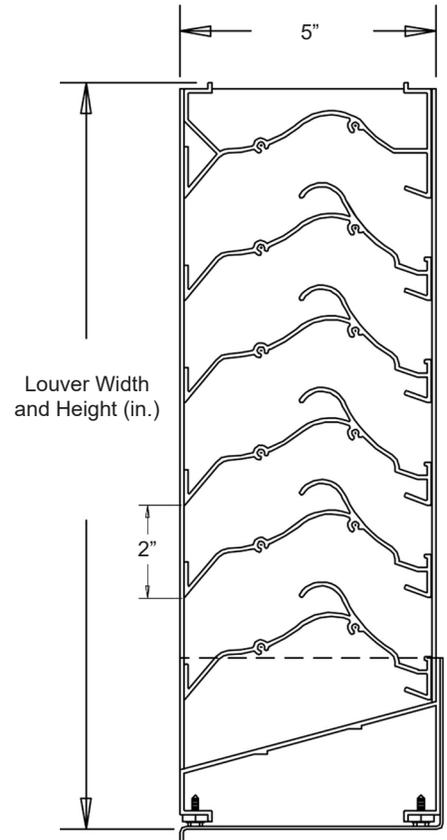
1. ½" nominal deduction will be made to the opening size given.
2. Approximate shipping weight is 7.0 lbs./sq.ft.

Louver Sizes

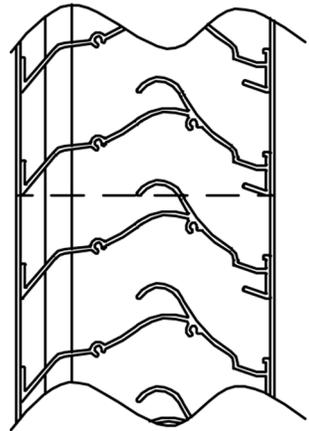
Min Panel	Max Single Panel
12"W x 12"H	60"W x 96"H

Windload requirements may limit panel sizes.

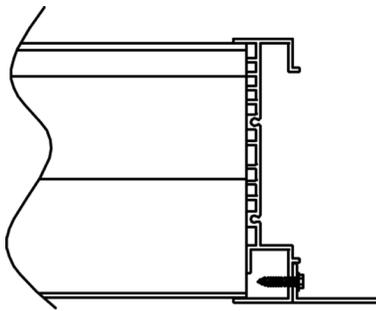
This louver has been tested to **AMCA Standard 540 for Wind Borne Debris Impact Resistance.**
See Page 2 for seal and listing information.



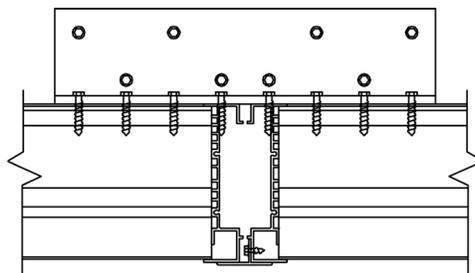
Not to scale.



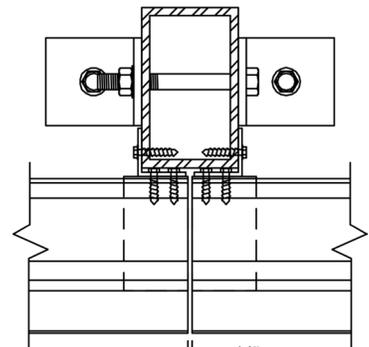
Standard Horizontal Mullion



Optional Flange Frame
(Jamb shown)



Standard Vertical Mullion



Architectural Vertical Mullion Optional

Item #	Qty	Width	Height	Width	Height	Mullion	Type	Location	Screens	Union Made
		Opening Size		Louver Size						
Arch. / Eng.:						EDR:		ECN:		Job:
Contractor:										
Project:						Date:		DWN:		DWG:



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



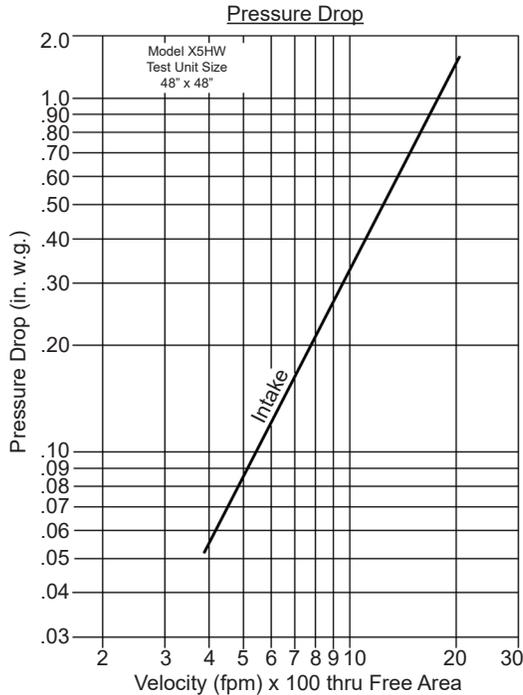
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Performance Data

Pressure Drop: .31 in. w.g. (76.8 Pa) at 1250 fpm (6.35 m/s) and 8,850 scfm (4.18 scm/s) (intake).

Free Area: 7.08 sq.ft. (0.658 sq.m.) = 44.3% for 48"W x 48"H (1.22 m x 1.22 m) sample.

Beginning Point of Water Penetration: Above 1250 fpm (6.35 m/s).



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

Ratings do not include effects of a screen. Tests based on 48" x 48" sample size per AMCA Standard 511.

		Free Area sq.ft. (sq. meters)				
		Width in. (mm)				
Height in. (mm)	12" (305)	24" (610)	36" (914)	48" (1219)	60" (1524)	
	12" (305)	0.21 (0.020)	0.49 (0.046)	0.76 (0.071)	1.04 (0.097)	1.31 (0.122)
	24" (610)	0.63 (0.059)	1.43 (0.133)	2.24 (0.208)	3.04 (0.282)	3.85 (0.358)
	36" (914)	1.04 (0.097)	2.38 (0.221)	3.72 (0.346)	5.05 (0.469)	6.39 (0.594)
	48" (1219)	1.46 (0.136)	3.33 (0.309)	5.19 (0.482)	7.08 (0.658)	8.93 (0.830)
	60" (1524)	1.88 (0.175)	4.27 (0.397)	6.67 (0.620)	9.07 (0.843)	11.47 (1.066)
	72" (1829)	2.29 (0.213)	5.22 (0.485)	8.15 (0.757)	11.08 (1.029)	14.01 (1.302)
	84" (2134)	2.71 (0.252)	6.17 (0.573)	9.63 (0.895)	13.09 (1.216)	16.55 (1.538)
	96" (2438)	3.12 (0.290)	7.11 (0.661)	11.11 (1.032)	15.10 (1.403)	19.09 (1.774)

Wind-Driven Rain Penetration Classes		Discharge Loss Coefficient Classes	
Class	Effectiveness	Class	Coefficient
A	100% to 99%	1	0.4 and above
B	98.9% to 95%	2	0.3 to 0.399
C	94.9% to 80%	3	0.2 to 0.299
D	Below 80%	4	0.199 and below

Wind Driven Rain Performance

Wind Velocity MPH (KPH)	Rainfall Rate in/h (mm/h)	Core Velocity FPM (m/s)	Ventilation Airflow CFM (cm/min)	Free Area Velocity FPM (m/s)	Effectiveness Ratio Percentage	Water Penetration Class	Coefficient of Discharge Class
29 (46.7)	3 (76)	583 (3)	6,276 (3)	1,133 (5.8)	99.0%	Class A	Class 3
Wind Velocity MPH (KPH)	Rainfall Rate in/h (mm/h)	Core Velocity FPM (m/s)	Ventilation Airflow CFM (cm/min)	Free Area Velocity FPM (m/s)	Effectiveness Ratio Percentage	Water Penetration Class	Coefficient of Discharge Class
50 (80.5)	8 (203)	673 (3.5)	7,243 (239)	1,307 (6.68)	95.7%	Class B	Class 3

Wind driven rain performance tests based on 1 m x 1 m (39.37" x 39.37") Louver with 7.08 sq.ft. (0.658 m²) free area.



Cesco Products certifies that the Model X5HW 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 Ratings only.



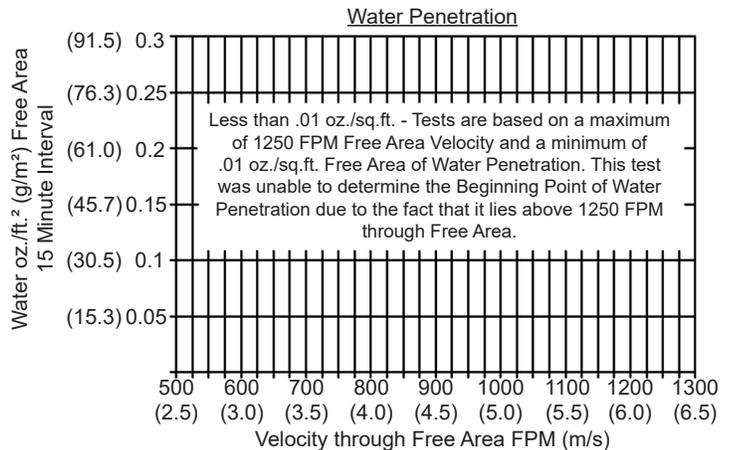
IMPACT RESISTANT LOUVER
Basic Protection Level D

This label does not signify AMCA airflow performance certification.

See www.AMCA.org for all certified or listed products

Arrow United Industries certifies that the Model EA-52 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 Wind Borne Debris Impact Resistant Louvers.



Both maximum recommended Free Area Velocity and Beginning Point of Water Penetration are 1250 FPM at standard air - .075 lbs. per cu. ft.