

EAJ-1245

(standard)

*Louver dimensions furnished approximately 1/2" (13) undersize.

Ratings

Free Area: [48" x 48" (1219 x 1219) unit]: 4.9 ft² (0.45 m²)
30.6%

Performance @ Beginning Point of Water Penetration

Free Area Velocity: 924 fpm (4.70 m/s)

Air Volume Delivered: 4,528 cfm (2.14 m³/s)

Pressure Loss: 0.08 in.wg. (20 Pa)

Velocity @ 0.15 in.wg. Pressure Loss: 1,230fpm (6.25 m/s)

Design Load: 30 psf

Acoustical Performance:

Louver Test Size = 48" x 48" (1219 x 1219)

Octave Band	2	3	4	5	6	7
Center Freq. (hz)	125	250	500	1000	2000	4000
Transmission Loss	6	8	12	15	13	10
Noise Reduction	12	14	18	21	19	16

The EAJ-1235 acoustical louver is engineered and tested to protect against debris impacts per AMCA 540. Constructed from formed 5052-H32 aluminum, the EAJ-1235 features horizontal J-blades and is designed for intake and exhaust applications where maximum noise reduction is required. The EAJ-1235 is available in a wide array of finishes including custom color matching.

Standard Construction

Material: Aluminum

Frame: 12" deep x 0.125" thick (305 x 3.2) channel

Blades: 35° x 0.125" (3.2) thick J-style with a 20 ga. (0.8) thick perforated backing packed with noncombustible insulating material.

Screen: 1/2" x 0.063" (12.7 x 1.6) expanded and flattened aluminum

Mullion: Visible

Minimum Size: 12" x 20-3/8" (305 x 518)

Maximum Size:

Single section: 60" x 120" (1524 x 3048)

Multiple section: Unlimited width x 120" (3048) height or 60" (1524) width x unlimited height

Options

■ Factory finish:

- High Performance Fluoropolymer
- Baked Enamel
- Prime Coat

■ Frame Options:

- 1-1/2" (38) flange frame
- Stucco flange
- Custom-size flange

■ Installation Hardware

- Clip angles
- Continuous angles

■ Alternate bird or insect screens

■ Insulated or non-insulated blank-off panels

■ Filter racks

■ Hinged frame

■ Subframe

■ Head and/or sill flashing

■ Burglar bars

■ Frame closure

■ Net OD (actual size)

NOTE: Dimensions in parentheses () are millimeters.
Information is subject to change without notice or obligation.

PERFORMANCE

EAJ-1235

Acoustical Louver
12" deep • 35° Insulated J-Blade

Free Area (ft²)

Width (Inches)

Height (Inches)	Width (Inches)									
	12	18	24	30	36	42	48	54	60	
20	0.3	0.5	0.6	0.8	1.0	1.2	1.3	1.5	1.7	
24	0.5	0.8	1.1	1.5	1.8	2.1	2.4	2.7	3.0	
30	0.6	0.9	1.3	1.7	2.0	2.4	2.7	3.1	3.4	
36	0.8	1.3	1.7	2.2	2.7	3.3	3.7	4.1	4.6	
42	1.0	1.6	2.3	2.9	3.5	4.1	4.7	5.3	6.0	
48	1.1	1.7	2.3	3.0	3.6	4.3	4.9	5.5	6.2	
54	1.3	2.1	2.9	3.7	4.5	5.3	6.1	7.0	7.8	
60	1.5	2.4	3.3	4.2	5.0	5.9	6.8	7.7	8.6	
66	1.6	2.6	3.5	4.5	5.5	6.4	7.4	8.4	9.3	
72	1.9	3.0	4.1	5.3	6.4	7.5	8.6	9.8	10.9	
78	1.9	3.1	4.3	5.4	6.6	7.8	8.9	10.1	11.2	
84	2.2	3.4	4.7	6.0	7.3	8.6	9.9	11.2	12.5	
90	2.4	3.8	5.2	6.7	8.1	9.5	10.9	12.4	13.8	
96	2.4	3.9	5.3	6.8	8.2	9.7	11.1	12.6	14.1	
102	2.7	4.3	5.9	7.5	9.2	10.8	12.4	14.0	15.6	
108	2.8	4.5	6.2	7.9	9.6	11.3	13.0	14.7	16.4	
114	3.0	4.7	6.5	8.3	10.1	11.9	13.6	15.4	17.2	
120	3.2	5.2	7.1	9.1	11.0	12.9	14.9	16.8	18.8	



Certified Ratings:

Pottorff certifies that the model EAJ-1235 shown herein is licensed to bear the AMCA seal. The ratings shown are based on test 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 water penetration, sound, and air performance ratings.



IMPACT RESISTANT LOUVER Basic Protection

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

This label does not signify AMCA airflow performance certification.

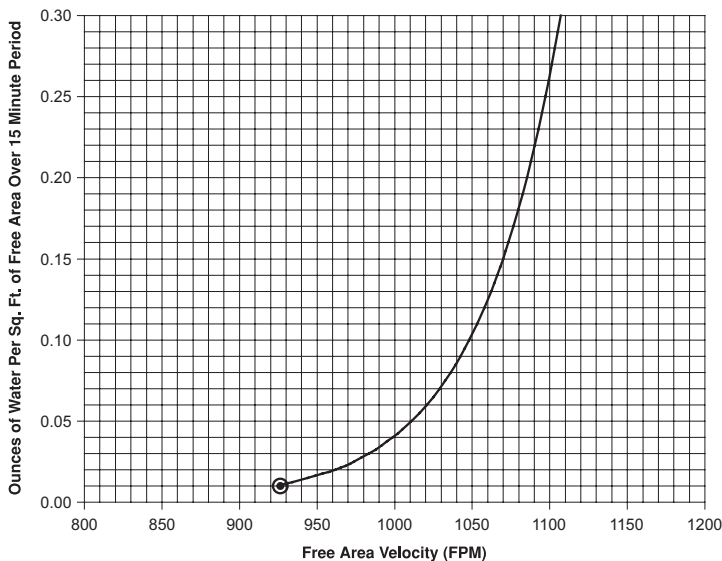
Certified Ratings:

Pottorff certifies that the model EAJ-1235 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.

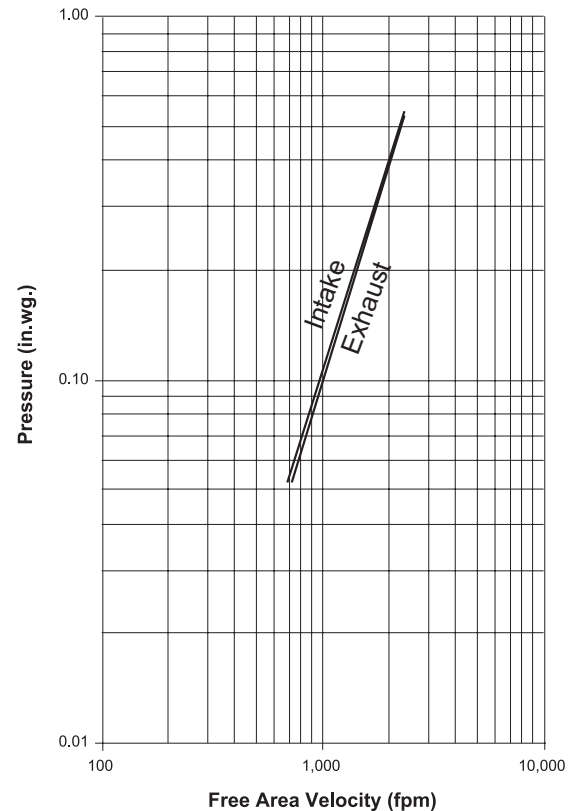
Water Penetration

AMCA defines the beginning point of water penetration as the free area velocity at the intersection of a simple linear regression of test data and the line of 0.01 ounces of water per square foot of free area measured through a 48" x 48" louver during a 15 minute period. The AMCA water penetration test provides a method for comparing louver models and designs as to their efficiency in resisting the penetration of rainfall under specific lab conditions. We recommend that intake louvers are selected with a reasonable margin of safety below the beginning point of water penetration in order to avoid unwanted penetration during severe storm conditions.

Beginning Point of Water Penetration = 924 fpm

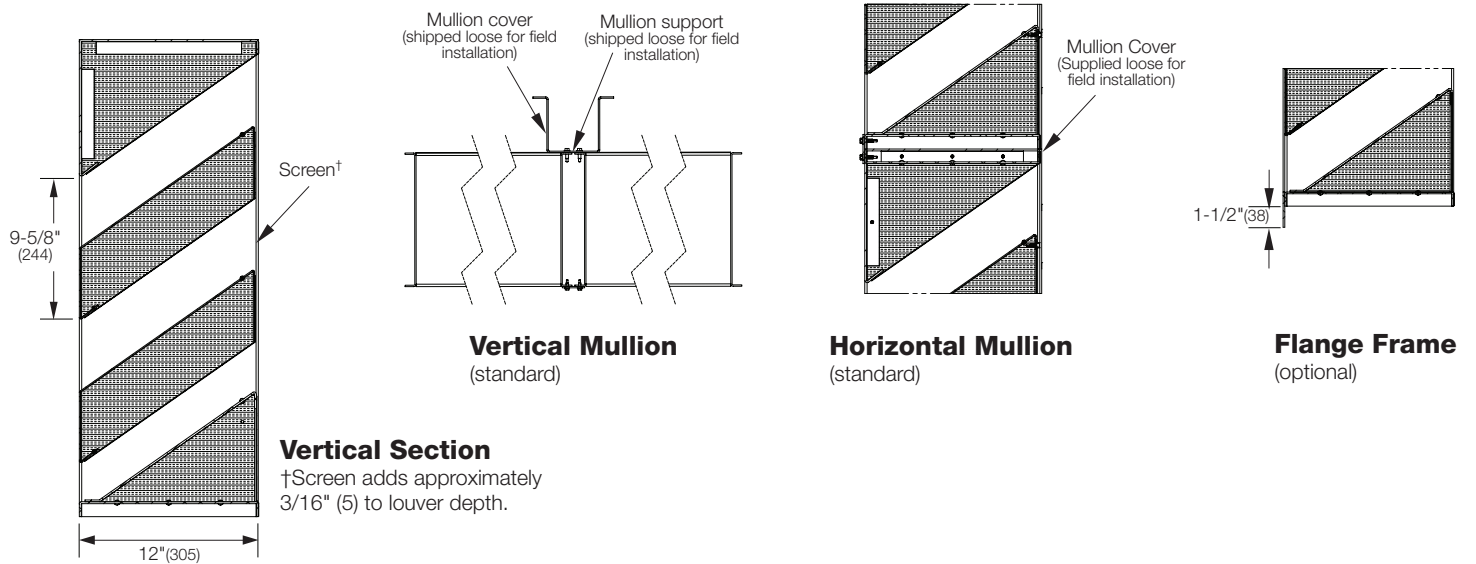


Pressure Loss



Louver Test Size = 48" x 48" (1219 x 1219)
Pressure loss tested in accordance with Figure 5.5 of AMCA Standard 500-L. Data corrected to standard air density.

Attributes



Supplemental Options

