

SAJ-1235

(standard)

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

The SAJ-1235 acoustical louver incorporates a J-blade and is designed for intake and exhaust applications where maximum noise reduction is required. The SAJ-1235 is available in a wide array of finishes including custom color matching.

Standard Construction

Material: Galvanized steel

Frame: 12" deep × 16 ga. thick (305 × 1.6) channel.

Blades: 35° × 22 ga. (0.85) thick J-style with a 26 ga. (0.55) thick perforated backing packed with noncombustible insulating material.

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

Mullion: Visible

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

Maximum Size:

Single section: 48" × 96" (1219 × 2438)

Multiple section: Unlimited

Ratings

Free Area: [48" × 48" (1219 × 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:

(not certified by AMCA)

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



Certified Ratings:

Pottorff certifies that the model SAJ-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.

Options

■ Alternate material:

- 304 stainless steel construction
- Aluminum construction
- Galvannealed steel construction

■ Factory finish:

- Polyester Powder (Galvannealed steel construction only)
- Baked Enamel (Galvannealed steel and aluminum construction only)
- Prime Coat (Galvannealed steel and aluminum construction only)
- High Performance Fluoropolymer - 100% Newlar/70% resin Kynar (Aluminum construction only)

■ Flange frame:

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

■ Installation Hardware

- Clip angles
- Continuous angles

■ Welded construction

■ Alternate bird or insect screens

■ Insulated or non-insulated blank-off panels

■ Filter racks

■ Hinged frame

■ Heavy duty 16 ga. (1.6) construction

■ Burglar bars

■ Frame closure

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

PERFORMANCE

SAJ-1235

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

Free Area (ft²)

Height (Inches)	Width (Inches)						
	12	18	24	30	36	42	48
20	0.3	0.5	0.6	0.8	1.0	1.2	1.3
24	0.5	0.8	1.1	1.5	1.8	2.1	2.4
30	0.6	0.9	1.3	1.7	2.0	2.4	2.7
36	0.8	1.3	1.7	2.2	2.7	3.3	3.7
42	1.0	1.6	2.3	2.9	3.5	4.1	4.7
48	1.1	1.7	2.3	3.0	3.6	4.3	4.9
54	1.3	2.1	2.9	3.7	4.5	5.3	6.1
60	1.5	2.4	3.3	4.2	5.0	5.9	6.8
66	1.6	2.6	3.5	4.5	5.5	6.4	7.4
72	1.9	3.0	4.1	5.3	6.4	7.5	8.6
78	1.9	3.1	4.3	5.4	6.6	7.8	8.9
84	2.2	3.4	4.7	6.0	7.3	8.6	9.9
90	2.4	3.8	5.2	6.7	8.1	9.5	10.9
96	2.4	3.9	5.3	6.8	8.2	9.7	11.1



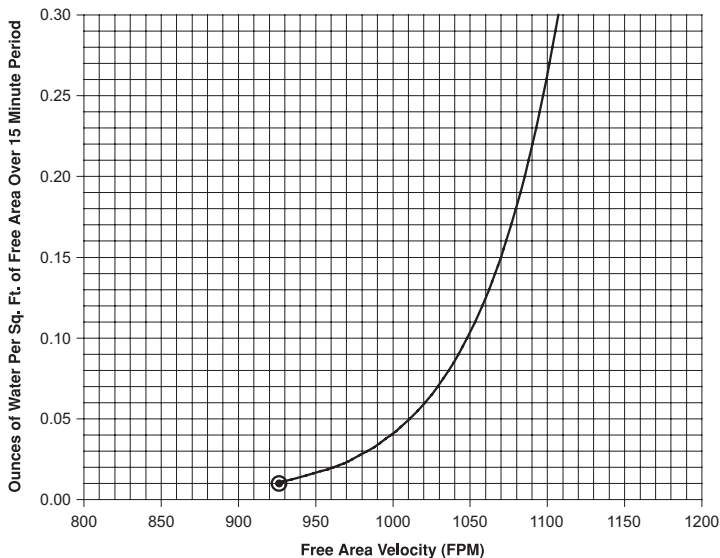
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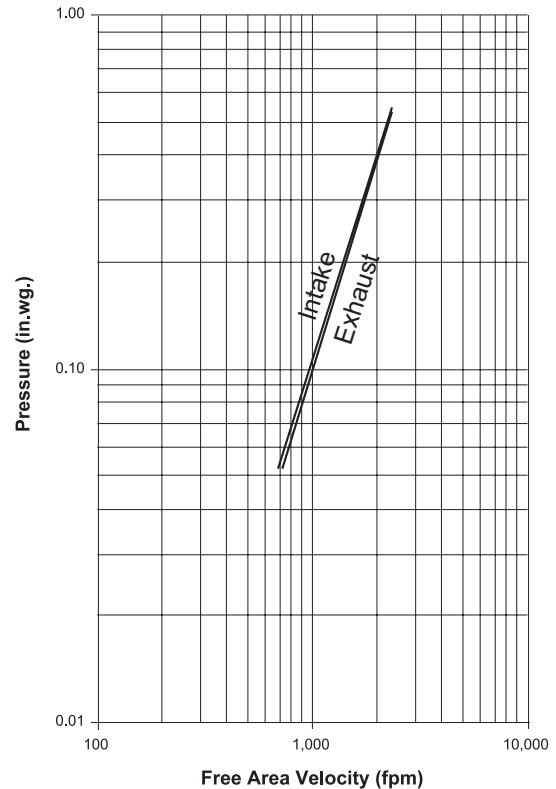
Water Penetration

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

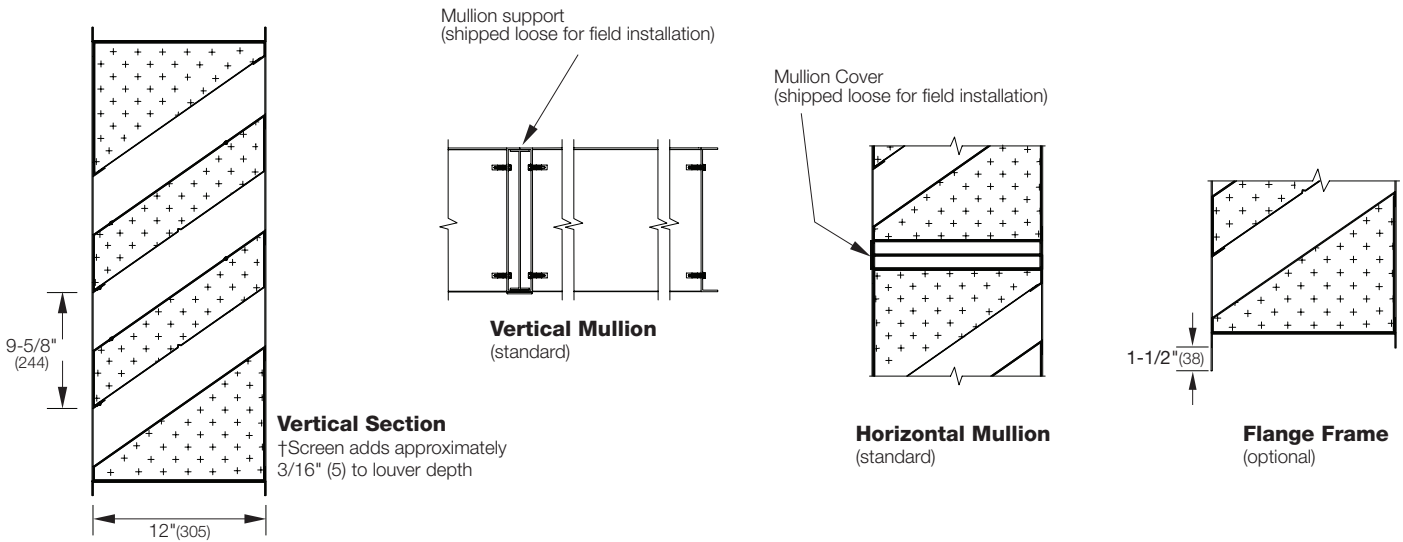


Louver Test Size = 48" x 48" (1219 x 1219)
Pressure loss tested in accordance with Figure 5.5 of AMCA Standard 500-L. Data corrected to standard air density.

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

Attributes



Supplemental Options

