

EFJ-145

(standard)

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

Ratings

Free Area: [48" × 48" (1219 × 1219) unit]: 8.3 ft² (0.77 m²)
51.9%

Performance @ Beginning Point of Water Penetration

Free Area Velocity: 349 fpm (1.77 m/s)

Air Volume Delivered: 2,896 cfm (1.37 m³/s)

Pressure Loss: 0.03 in.wg. (7.5 Pa)

Velocity @ 0.15 in.wg. Pressure Loss: 842 fpm (4.28 m/s)

The EFJ-145 is designed for intake and exhaust applications where protection against water infiltration is not critical. The EFJ-145 is well suited for applications with minimal sizing allowances that still require maximum airflow and is available with hidden mullions for a continuous blade appearance of multiple section assemblies. The EFJ-145 is available in a wide array of anodized and painted finishes, including custom color matching, and an extended framing selection.

Standard Construction

Material: Mill finish 6063-T5 extruded aluminum

Frame: 1-1/2" deep × 0.060" thick (38 × 1.5) channel

Blades: 45° × 0.060" (1.5) thick J-style

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

Mullion: Visible

Minimum Size: 6" × 6" (152 × 152)

Maximum Size:

Single section: 60" × 60" (1524 × 1524)

Multiple section: Unlimited

Options

■ Factory finish:

- High Performance Fluoropolymer
- Prime Coat
- Baked Enamel
- Clear Anodize
- Integral Color Anodize

■ Frame Options:

- 1-1/2" (38) flange frame
- 3/4" (19) flange frame
- Stucco flange
- Glazing frame

■ Installation Hardware

- Clip angles
- Continuous angles

■ Hidden vertical mullion

■ Alternate bird or insect screens

■ Insulated or non-insulated blank-off panels

■ Filter racks

■ Head and/or sill flashing

■ Burglar bars

■ Net OD (actual size)



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

PERFORMANCE

EFJ-145

Extruded Aluminum Louver
1-1/2" deep • 45° J-Blade

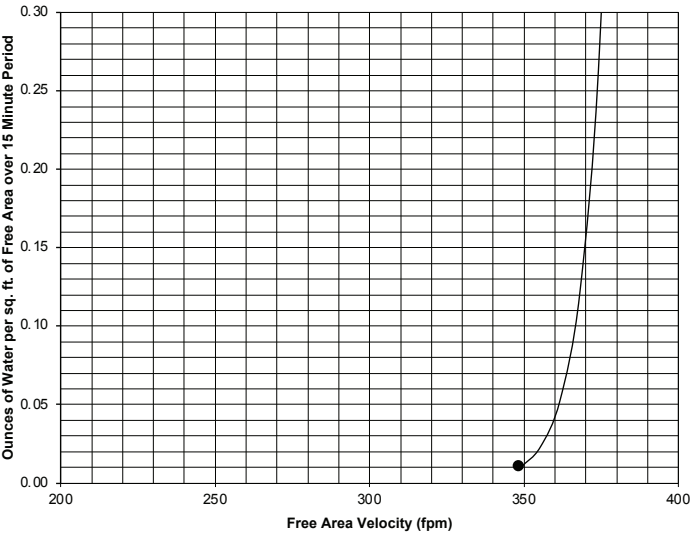
Free Area (ft²)

		Width (Inches)									
Height (Inches)		6	12	18	24	30	36	42	48	54	60
	6	0.1	0.2	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.8
	12	0.2	0.4	0.6	0.8	1.0	1.2	1.5	1.7	1.9	2.1
	18	0.3	0.7	1.0	1.4	1.8	2.2	2.6	3.0	3.3	3.7
	24	0.4	0.9	1.4	1.9	2.4	2.9	3.5	4.0	4.5	5.0
	30	0.5	1.1	1.8	2.4	3.1	3.7	4.3	5.0	5.6	6.3
	36	0.6	1.4	2.2	3.0	3.8	4.6	5.5	6.3	7.1	7.9
	42	0.7	1.6	2.6	3.5	4.5	5.4	6.3	7.3	8.2	9.2
	48	0.8	1.9	2.9	4.0	5.1	6.2	7.2	8.3	9.4	10.4
	54	0.9	2.2	3.4	4.6	5.9	7.1	8.3	9.6	10.8	12.0
	60	1.0	2.4	3.8	5.1	6.5	7.9	9.2	10.6	12.0	13.3

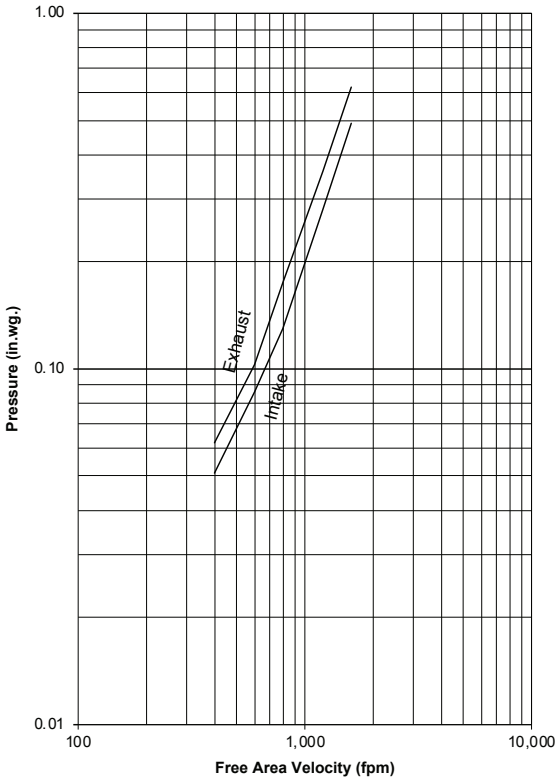
Water Penetration

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 and is 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 = 349 fpm



Pressure Loss

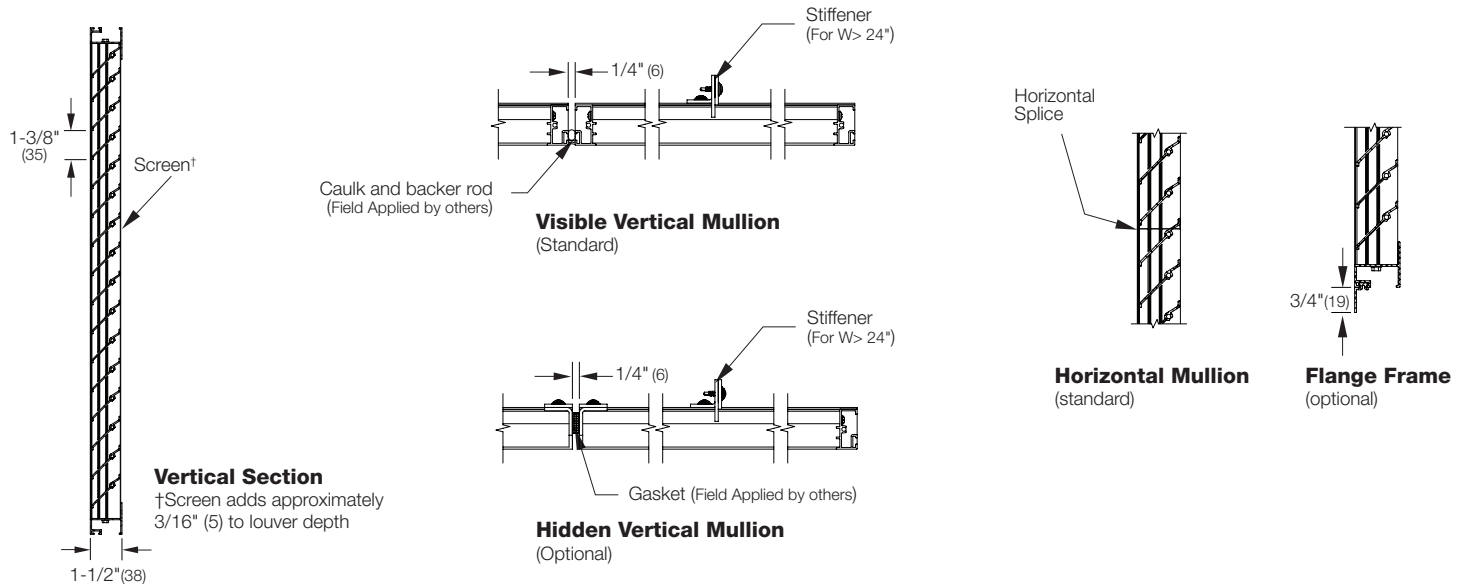


Louver Test Size = 48" x 48" (1219 x 1219)
Pressure loss tested in accordance with Figure 5.5 of AMCA Standard 500-L. Data corrected to standard air density.

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Extruded Aluminum Louver
1-1/2" deep • 45° J-Blade

Attributes



Supplemental Options

