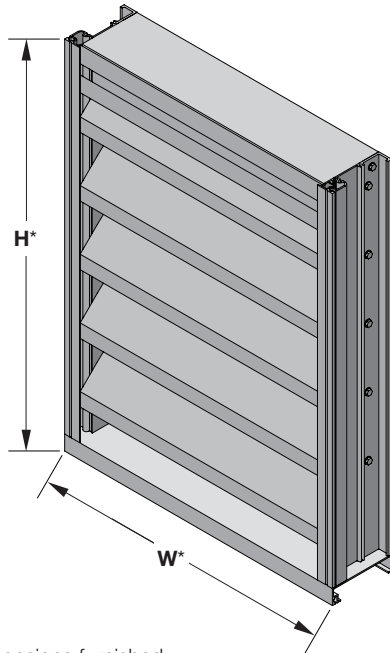




EE-445

(standard)

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

Ratings

Free Area: [48" × 48" (1219 × 1219) unit]: 8.0 ft² (0.74 m²)
50.1%
(with damper blades in fully open position)

Minimum Airflow for Damper Blades to Begin to Open

Free Area Velocity: 60 fpm (0.30 m/s)

Air Volume Delivered: 481 cfm (0.23 m³/s)

Pressure Loss: 0.06 in.wg. (16 Pa)

Minimum Airflow for Damper Blades to Fully Open

Free Area Velocity: 1,200 fpm (6.10 m/s)

Air Volume Delivered: 9,621 cfm (4.54 m³/s)

Pressure Loss: 0.24 in.wg. (59 Pa)

Velocity @ 0.15 in.wg. Pressure Loss: 796 fpm (4.04 m/s)

Std. Design Load: 30 psf

The EE-445 combination louver features stationary louver blades combined with an integral gravity operated backdraft damper to protect exhaust air openings in exterior walls. The EE-445 is available in a wide array of anodized and painted finishes including custom color matching.

Standard Construction

Material: Mill finish 6063-T5 extruded aluminum

Frame: 4" deep × 0.081" thick (102 × 2) channel

Louver Blades: 45° × 0.081" (2) thick J-style

Damper Blades: 0.060" (1.5) exhaust backdraft

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

Mullion: Visible

Minimum Size: 6" × 11" (152 × 279)

Maximum Size:

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

Multiple section: Unlimited

Options

■ Factory finish:

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

■ Frame options:

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

■ 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

■ Frame closure

■ Burglar bars

■ Net OD (actual size)



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

PERFORMANCE

EE-445

Extruded Aluminum Louver
4" deep • 45° J-Blade BD-Exhaust

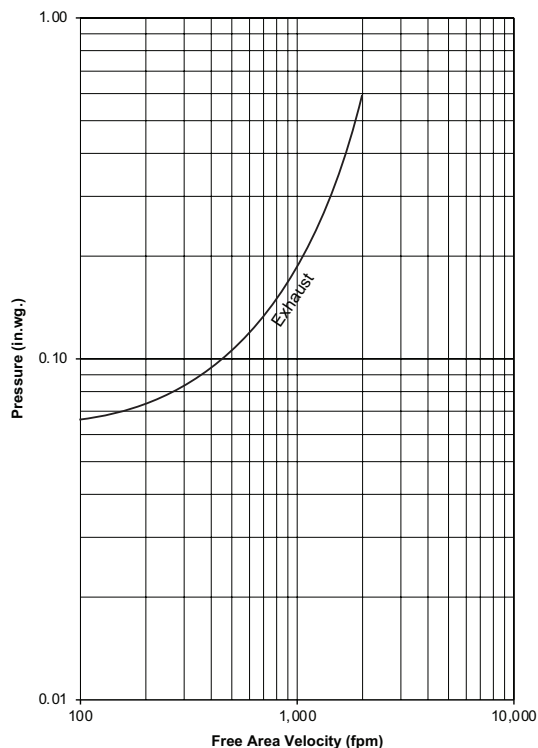
Free Area (ft²)

Width (Inches)

	6	12	18	24	30	36	42	48	54	60
12	0.1	0.3	0.5	0.7	0.8	1.0	1.2	1.4	1.6	1.7
18	0.2	0.5	0.8	1.1	1.3	1.6	1.9	2.2	2.5	2.8
24	0.3	0.8	1.2	1.7	2.2	2.7	3.1	3.6	4.1	4.5
30	0.4	1.0	1.5	2.1	2.7	3.3	3.9	4.4	5.0	5.6
36	0.5	1.3	2.0	2.8	3.5	4.3	5.0	5.8	6.6	7.3
42	0.6	1.4	2.3	3.2	4.0	4.9	5.8	6.6	7.5	8.4
48	0.7	1.7	2.8	3.8	4.9	5.9	7.0	8.0	9.1	10.1
54	0.8	1.9	3.1	4.2	5.4	6.5	7.7	8.9	10.0	11.2
60	0.9	2.2	3.6	4.9	6.2	7.6	8.9	10.2	11.6	12.9
66	1.0	2.4	3.9	5.3	6.7	8.2	9.6	11.1	12.5	14.0
72	1.1	2.7	4.3	6.0	7.6	9.2	10.8	12.4	14.1	15.7
78	1.2	2.9	4.6	6.4	8.1	9.8	11.6	13.3	15.0	16.7
84	1.3	3.2	5.1	7.0	8.9	10.8	12.7	14.7	16.6	18.5
90	1.3	3.4	5.4	7.4	9.4	11.5	13.5	15.5	17.5	19.5
96	1.5	3.7	5.9	8.1	10.3	12.5	14.7	16.9	19.1	21.3
102	1.5	3.9	6.2	8.5	10.8	13.1	15.4	17.7	20.0	22.3
108	1.7	4.1	6.6	9.1	11.6	14.1	16.6	19.1	21.6	24.1
114	1.7	4.3	6.9	9.5	12.1	14.7	17.3	19.9	22.5	25.1
120	1.9	4.6	7.4	10.2	13.0	15.7	18.5	21.3	24.1	26.9

Height (Inches)

Pressure Loss



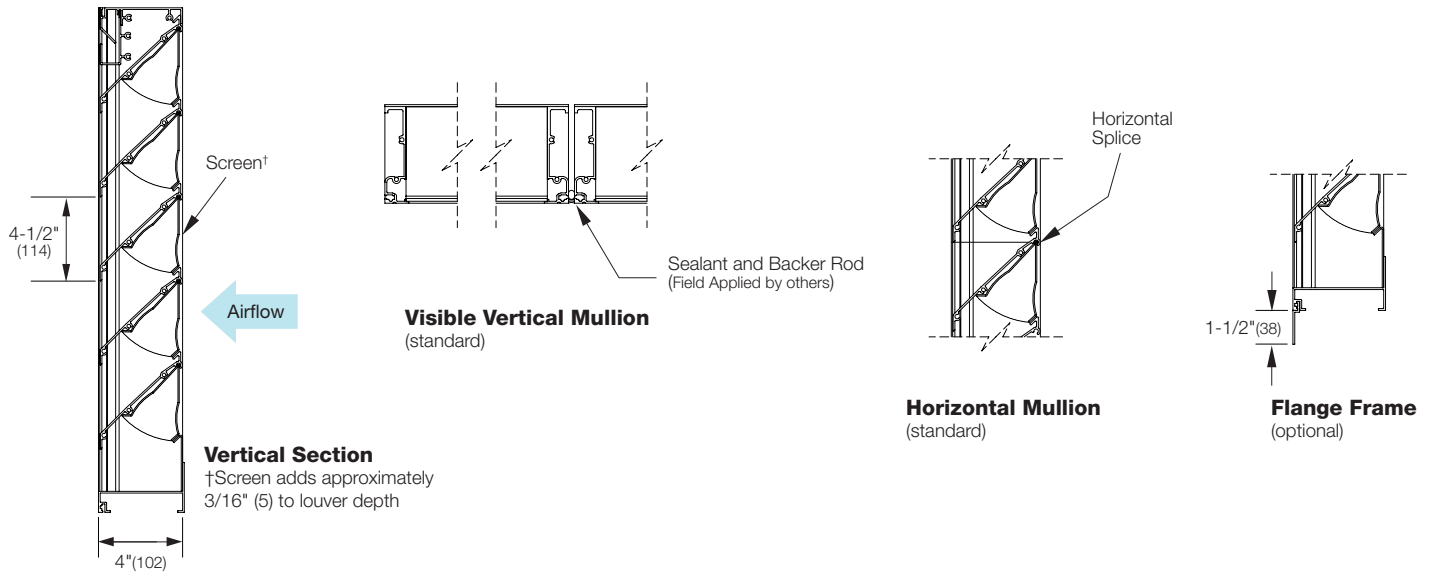
Louver Test Size = 48" x 48" (1219 x 1219)

Pressure loss tested in accordance with Figure 5.5 of AMCA
Standard 500-L. Data corrected to standard air density.

Attributes

EE-445

Extruded Aluminum Louver
4" deep • 45° J-Blade BD-Exhaust



Supplemental Options

