

EFD-635-MD

(standard)

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

Ratings

Free Area: [48" x 48" (1219 x 1219) unit]: 9.7 ft² (0.90 m²)
60.9%

Performance @ Beginning Point of Water Penetration

Free Area Velocity: 1,250 fpm (6.35 m/s)

Air Volume Delivered: 12,175 cfm (5.75 m³/s)

Pressure Loss: 0.20 in.wg. (50 Pa)

Velocity @ 0.15 in.wg. Pressure Loss: 1,081 fpm (5.49 m/s)

**AMCA 540 (impact resistant, Basic Protection - Level D and
Enhanced Protection - Level E) listed**

Miami Dade County: NOA No. 23-0411.02 (Expires 6/22/2022)
Approved to FBC TAS201-94, TAS202-94, TAS203-94 and
TAS100(A)-95

Florida Building Code Approval (2020-FBC): FL42147

Design Load: 150 psf (7.18 kPa)



Certified Ratings:

Pottorff certifies that the model EFD-635-MD 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 air performance and water penetration ratings.

The EFD-635-MD is engineered and tested to withstand extreme loads, debris impact, and cyclic fatigue associated with the severe weather effects of hurricanes (Miami-Dade County approval #23-0411.02). The EFD-635-MD is AMCA 540 listed, making it ideally suited for use in hurricane-prone and wind-born debris regions as per the International Building Code.

Standard Construction

Material: Mill finish 6063-T5 extruded aluminum

Frame: 6" deep x 0.081" thick (152 x 2) channel

Blades: 35° x 0.081" thick (2) drainable style

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

Mullion: Visible

Installation Hardware:

- Continuous angles

Minimum Size: 8" x 8" (203 x 203)

Maximum Size:

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

Multiple section: 60" width x unlimited height, or
unlimited width x 120" height

Options

■ Factory finish:

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

■ Frame Options:

- 1-1/2" (38) flange frame

■ 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)

5 year
warranty

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

PERFORMANCE

EFD-635-MD

Extruded Aluminum Louver
6" deep • 35° Drainable Blade

Free Area (ft²)

Width (Inches)

	8	12	18	24	30	36	42	48	54	60
8	0.1	0.1	0.2	0.2	0.3	0.3	0.4	0.5	0.5	0.6
12	0.2	0.3	0.5	0.7	0.9	1.0	1.2	1.4	1.5	1.7
18	0.4	0.6	1.0	1.3	1.7	2.0	2.4	2.7	3.0	3.4
24	0.5	0.9	1.5	2.0	2.5	3.1	3.6	4.2	4.6	5.1
30	0.7	1.2	1.9	2.6	3.4	4.1	4.8	5.5	6.1	6.8
36	0.9	1.5	2.4	3.3	4.2	5.1	6.1	7.0	7.6	8.5
42	1.1	1.8	2.9	4.0	5.1	6.1	7.2	8.3	9.1	10.2
48	1.3	2.1	3.4	4.7	5.9	7.2	8.5	9.7	10.7	12.0
54	1.4	2.4	3.9	5.3	6.7	8.2	9.6	11.1	12.2	13.6
60	1.6	2.7	4.4	6.0	7.6	9.3	10.9	12.5	13.8	15.4
66	1.8	3.0	4.8	6.6	8.4	10.2	12.1	13.9	15.2	17.0
72	2.0	3.3	5.3	7.3	9.3	11.3	13.3	15.3	16.8	18.8
78	2.2	3.6	5.8	8.0	10.1	12.3	14.5	16.6	18.3	20.4
84	2.4	3.9	6.3	8.7	11.0	13.4	15.7	18.1	19.9	22.2
90	2.5	4.2	6.8	9.3	11.8	14.4	16.9	19.4	21.3	23.9
96	2.7	4.5	7.3	10.0	12.7	15.4	18.1	20.9	22.9	25.6
102	2.9	4.8	7.7	10.6	13.5	16.4	19.3	22.2	24.4	27.3
108	3.1	5.1	8.2	11.3	14.4	17.5	20.6	23.7	26.0	29.1
114	3.3	5.4	8.7	12.0	15.2	18.5	21.7	25.0	27.4	30.7
120	3.4	5.7	9.2	12.6	16.1	19.5	23.0	26.4	29.0	32.5

Height (Inches)



Certified Ratings:

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IMPACT RESISTANT LOUVER Enhanced Protection Level E

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

This label does not signify
AMCA airflow performance
certification.

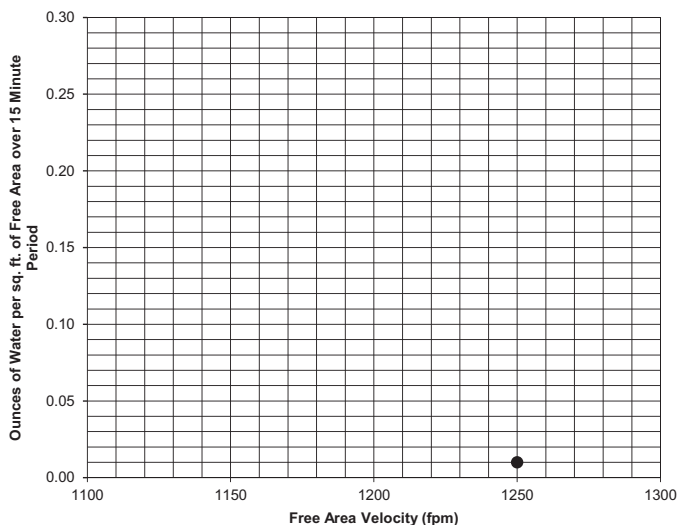
Certified Ratings:

Pottorff certifies that the model EFD-635-MD 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.

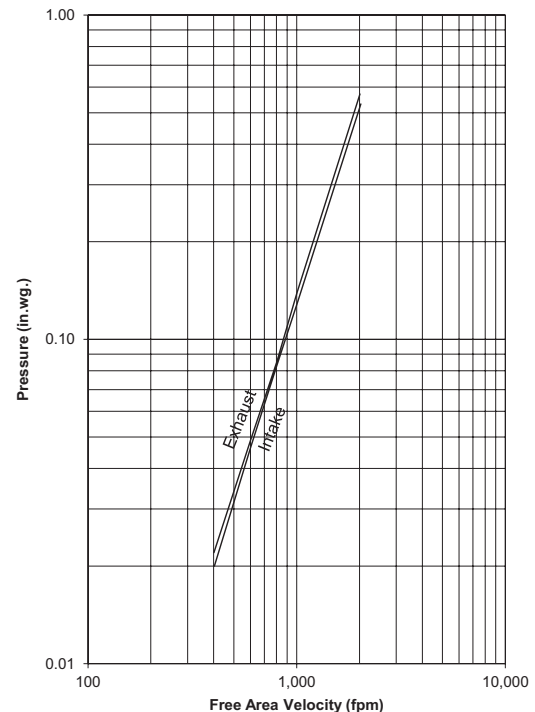
Water Penetration

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 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 = 1,250 fpm



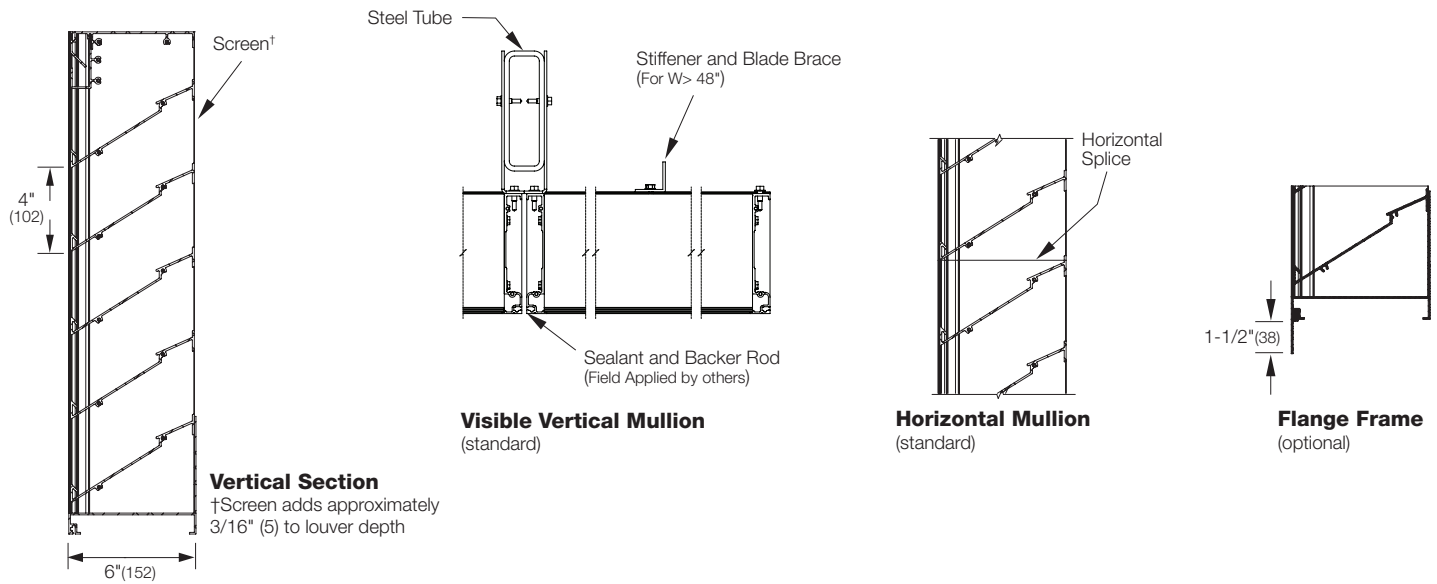
Pressure Loss



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

