GALVANIZED STEEL, 4" DEEP, HEAVY GAUGE, K FIXED TYPE BLADE

MODEL LF-48
STANDARD SPECIFICATIONS

FRAME: 4" DEEP CHANNEL, 16 GAUGE GALVANIZED STEEL
BLADES: 16 GAUGE GALVANIZED STEEL.
FINISH: MILL WITH TOUCH UP ON WELDS.
SCREEN: 1/2" REMOVABLE EXPANDED ALUMINUM BIRD SCREEN, LOCATED ON INTERIOR.

MAXIMUM PANEL SIZE: 96” x 96”.
MINIMUM PANEL SIZE: 12” x 12”.

DIMENSIONS: "A" (WIDTH) AND "B" (HEIGHT) ARE OPENING SIZES. LOUVERS ARE MADE 1/2" UNDERSIZE.

SECTION VIEW

EXTENDED SILL OPTIONAL
ARCHITECTURAL VERTICAL MULLION OPTIONAL

STANDARD HORIZONTAL MULLION

FLANGED FRAME OPTIONAL (JAMB SHOWN)

AMCA CERTIFIED RATINGS

AWV certifies that the model LF-48 louver shown herein is licensed to bear the AMCA Seal. The ratings shown are based on tests 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 ratings and water penetration ratings.

AMERICAN WARMING AND VENTILATING
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LF-48 STATIONARY LOUVER
DRN. BY JP DWG. NO. LF-48
DATE 12-14-00 REV.
Below is an explanation of how to use the AMCA Performance data for the recommended free area velocity of 734 fpm (3.73 m/s).

To determine minimum free area required for louver:

**Step #1:** Divide the required CFM flow by the maximum recommended free area velocity.

**Step #2:** Select the most desirable louver size, from the free area table, that meets the minimum free area requirement.

**Step #3:** Compare specified performance to the certified water penetration and pressure drop ratings.

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**Example:**

**Given:** 15000 CFM design flow

**Step #1:**

\[
\text{min. free area} = \frac{\text{Design CFM}}{\text{Max. Recommended Velocity}} = \frac{15000}{734} = 20.44 \text{ sq ft}
\]

**Step #2:** From the free area table above the approximate louver size is 96” x 84” = (22.28 sq ft)