GALVANIZED STEEL, 4” DEEP, HEAVY GAUGE, DRAINABLE FIXED TYPE BLADE

MODEL LF-23
STANDARD SPECIFICATIONS

FRAME: 4” DEEP CHANNEL, 16 GAUGE GALVANIZED STEEL.
BLADES: 20 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” UN DERSIZE.
Water Penetration: 0.01 oz (3.0 g) at 982 fpm (4.99 m/s) recommended free area velocity
Pressure Drop: 0.125 in wg (31 Pa) at 982 fpm (4.99 m/s) and 8504 scfm (4.01 scfm/s)
Free Area: 8.66 sq ft (0.805 sq m) = 54.1% for 48" x 48" (1.22m x 1.22m) test size

Below is an explanation of how to use the AMCA Performance data for the recommended free area velocity of 982 fpm (4.99 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.

Example: Given: 15000 CFM design flow

Step #1:  
min. free area = \( \frac{\text{Design CFM}}{\text{Max. Recommended Velocity}} \)
\[ \frac{15000}{982} = 15.27 \text{ sq ft} \]
Step #2: From the free area table above the approximate louver size is 84" x 48" (15.41 sq ft)