FABRICATED ALUMINUM, 12” DEEP, AIRFOIL BLADE, HEAVY GAUGE, ACOUSTICAL FIXED TYPE BLADE

MODEL LAA–12AF
STANDARD SPECIFICATIONS

FRAME: 12” DEEP, 12 GAUGE ALUMINUM.

BLADES: 16 GAUGE ALUMINUM (NON NOISE SIDE).
20 GAUGE PERFORATED ALUMINUM (NOISE SIDE).

INSULATION: WATER RESISTANT SOUND ABSORBING MATERIAL.

FINISH: MILL.

SCREEN: 1/2” REMOVABLE EXPANDED ALUMINUM BIRD SCREEN, LOCATED ON INTERIOR (NOISE SIDE).

MAXIMUM PANEL SIZE: 72” X 96”.

MINIMUM PANEL SIZE: 12” X 24”.

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

A = WIDTH
B = HEIGHT

"C" BLADE SPACE

SECTION VIEW

STANDARD VERTICAL MULLION

<table>
<thead>
<tr>
<th>MODEL No.</th>
<th>&quot;C&quot; BLADE SPACE</th>
</tr>
</thead>
<tbody>
<tr>
<td>LAA–12AF</td>
<td>12”</td>
</tr>
</tbody>
</table>

Louver Model No. Description

LAA – 12 AF

LOUVER ACOUSTICAL ALUMINUM
FRAME DEPTH
AIRFOIL BLADE

American Warming & Ventilating certifies that the model LAA–12AF 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.
Below is an explanation of how to use the AMCA Performance data for the recommended free area velocity of 1140 fpm (5.79 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:** 5000 CFM design flow

**Step #1:**

\[
\text{min. free area} = \frac{\text{Design CFM}}{\text{Max. Recommended Velocity}} = \frac{5000}{1140} = 4.39 \text{ sq ft}
\]

**Step #2:** From the free area table above the approximate louver size is 48” x 60” = (4.43 sq ft)