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

MODEL LAA-1212
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 30”

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

MODEL No. "C" BLADE SPACE
LAA-1212 12”

LOUVER MODEL No. DESCRIPTION
LAA - 12 12
ACOUSTICAL ALUMINUM FRAME DEPTH BLADE SPACING

STANDARD VERTICAL MULLION

American Warming & Ventilating certifies that the model
LAA-1212 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.

A MESTEK COMPANY
7301 INTERNATIONAL DRIVE HOLLAND, OHIO
Phone (419) 865-5000 Fax (419) 865-1375

LAA-1212 ACOUSTICAL LOUVER

American Warming and Ventilating

LAA-1212

STC CLASS 14

<table>
<thead>
<tr>
<th>OCTAVE BAND</th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>6</th>
<th>7</th>
<th>8</th>
</tr>
</thead>
<tbody>
<tr>
<td>FREQUENCY (Hz)</td>
<td>63</td>
<td>125</td>
<td>250</td>
<td>500</td>
<td>1K</td>
<td>2K</td>
<td>4K</td>
<td>8K</td>
</tr>
<tr>
<td>TRANSMISSION LOSS (db)</td>
<td>9</td>
<td>7</td>
<td>8</td>
<td>13</td>
<td>19</td>
<td>14</td>
<td>11</td>
<td>9</td>
</tr>
<tr>
<td>FREE FIELD NOISE REDUCTION (db)</td>
<td>15</td>
<td>13</td>
<td>14</td>
<td>19</td>
<td>25</td>
<td>20</td>
<td>17</td>
<td>15</td>
</tr>
</tbody>
</table>
Free Area: 3.46 sq ft (0.321 sq m) = 21.6% for 48" x 48" (1.22m x 1.22m) test size

Pressure Drop: 0.10 in wg (24.9 Pa.) at 1089 fpm (5.53 m/s) and 3931 scfm (1.86 scm/s)

Water Penetration: 0.01 oz (3.0 g) at 1089 fpm (5.53 m/s) recommended free area velocity

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.

American Warming & Ventilating certifies that the model LAA-1212 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 and water penetration ratings.

LAA-1212

Below is an explanation of how to use the AMCA Performance data for the recommended free area velocity of 1089 fpm (5.53 m/s).

Example: Given: 5000 CFM design flow

Step #1: min. free area = \[
\frac{\text{Design CFM}}{\text{Max. Recommended Velocity}} = \frac{5000}{1089} = 4.59 \text{ sq ft}
\]

Step #2: From the free area table above the approximate louver size is 30" x 84" = (4.68 sq ft)

Form No. AWVLAA1212 June 2011