FABRICATED ALUMINUM, 6” DEEP, HEAVY GAUGE, ACOUSTICAL FIXED TYPE BLADE

MODEL LAU-66
STANDARD SPECIFICATIONS

FRAME: 6” 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 15”.

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

SECTION VIEW

MODEL No. "C" BLADE SPACE
LAA-66 6”

STANDARD VERTICAL MULLION

AWV certifies that the model LAU-66 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.

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

STC CLASS 12

OCTAVE BAND

FREQUENCY (Hz) 63 125 250 500 1K 2K 4K 8K

TRANSMISSION LOSS (db) 1 6 6 9 13 15 14 14

FREE FIELD NOISE REDUCTION (db) 7 12 12 15 19 21 20 20

DRN. BY JMC   DWG. NO.    REV.

LAA-66 ACOUSTICAL LOUVER

DATE 12-21-18

LAA-66
Water Penetration: 0.01 oz (3.0 g) at 858 fpm (4.29 m/s) recommended free area velocity
Pressure Drop: 0.078 in wg (19.4 Pa.) at 858 fpm (4.29 m/s) and 3861 scfm (1.82 scm/s)
Free Area: 4.50 sq ft (0.00 sq m) = 28.1% for 48'' x 48'' (1.22m x 1.22m) test size

Form No. AWVLAA66 December 2018

**INTAKE PRESSURE DROP**

| in. wg. (Pa) | (2.5) | 0.02 | (5.0) | 0.03 | (7.4) | 0.05 | (12.4) | 0.07 | (17.4) | 0.09 | (24.8) | 0.11 | (49.6) | 0.2 | (74.4) | 0.3 | (147) | 0.5 |
|-------------|------|------|-------|------|-------|------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|
| VELOCITY THROUGH FREE AREA fpm (m/s) | | | | | | | | | | | | | | | | | |

Airflow at standard air density - .075 lbs per cu ft
Ratings do not include the effect of a wire bird screen
Test based on a 48'' x 48'' test size per AMCA Standard 511

**FREE AREA IN SQUARE FEET (sq meters)**

<table>
<thead>
<tr>
<th>WIDTH</th>
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<tbody>
<tr>
<td>in.</td>
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**WATER PENETRATION**

American Warming and Ventilating certifies that the model LE-34 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-66

Below is an explanation of how to use the AMCA Performance data for the recommended free area velocity of 858 fpm (4.29 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:**

\[
\text{min. free area} = \frac{\text{Design CFM}}{\text{Max. Recommended Velocity}}
\]

\[
= \frac{10,000}{858} = 11.66 \text{ sq ft}
\]

**Step #2:** From the free area table above the approximate louver size is 72`` x 84`` (11.96 sq ft)