9.8" Fixed Horizontal Acoustic Louvers  JH-L02

JANGHO guarantees that the model JH-L02 presented here is certified by AMCA (Air Moving and Control Association). The ratings shown are based on the publication 511-10 (Rev 11-13) from AMCA, it is also in accordance with AMCA certification requirements and testing procedures. The certification applies only to Air Ventilation Performance and Rainwater Static Pressure Penetration, it is also comply with the GB Technical requirements of ventilation louvers for building.

STANDARD MATERIALS AND CONSTRUCTION
FRAME: bended aluminum plate or extruded aluminum
ASSEMBLY: Mechanical fastened
BLADES SPACING: 6.06" (154 mm)

OPTIONS
* Variety of bird and insect screen
* Factory finishes:
  - PVDF coating;
  - Powder coating;
  - Anodize;
  - Polyester coating;

LOUVER SIZES
Recommend Minimum Size: 24"W x 24"H (610 mm x 610 mm)
Recommend Maximum Size: 120"W x 120"H (3048 mm x 3048 mm)
The final size depends on wind loading

NOTES
1: "A" width and "B" height are opening dimensions.
9.8" Fixed Horizontal Acoustic Louvers JH-L02

Water Penetration: 0.01 oz (3.0 g) at 1116.7 fpm (5.67 m/s) recommended free area velocity
Air Performance: 0.229 in.wg (57.04 Pa) at 2007 fpm (10.20 m/s) and 7686 scfm (3.63 m³/s)
Free Area: 3.83 sq. ft (0.356 sq. m) = 23.9% for 48"W x 48"H (1.22 m x 1.22 m) test size

Ratings do not include effects of birdscreen.

Water Penetration
Unit test size (48"x48")
Test period 15 minutes
Standard air -.075 lb/ft²

NOTES
The AMCA Water Penetration Test provides a method for comparing various louver models and designs as to their efficiency in resisting the penetration of rainfall under specific laboratory test conditions. In this test precipitation is 100 mm/h, water flow along the damp walls from up to down with the speed 16 m/s/m when the wind speed is zero. As the air is drawn into the louvers, measure the mass of water into the louvers. Then we get the velocity of Louver free area in Beginning Point Of Water Penetration (the mass of penetration is 3.05 g/ft²). These performance ratings do not guarantee a louver to be weather-proof or stormproof and should be used in combination with other factors including good engineering judgement in selecting louvers.
### Air Performance

Unit test size (48" x 48")

Airflow rate at standard air density and the AMCA figure 5.5

<table>
<thead>
<tr>
<th>Pressure Drop in. wg (Pa)</th>
<th>0.01 (2.5)</th>
<th>0.10 (24.9)</th>
<th>1.00 (248.9)</th>
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</thead>
<tbody>
<tr>
<td>Free Area Velocity fps (m/s)</td>
<td>0.01</td>
<td>1.00</td>
<td>1000</td>
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<td>Intake Co=24%(Class 3)</td>
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### Free Area Calculations sq.ft (sq.m)

<table>
<thead>
<tr>
<th>Width (Inches (mm))</th>
<th>24 (610)</th>
<th>36 (914)</th>
<th>48 (1219)</th>
<th>60 (1524)</th>
<th>72 (1829)</th>
<th>84 (2134)</th>
<th>96 (2438)</th>
<th>108 (2743)</th>
<th>120 (3048)</th>
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<tr>
<td>Height (Inches (mm))</td>
<td>24 (610)</td>
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<td>84 (2134)</td>
<td>96 (2438)</td>
<td>108 (2743)</td>
<td>120 (3048)</td>
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<tr>
<td>24 (610)</td>
<td>0.66</td>
<td>1.01</td>
<td>1.37</td>
<td>1.73</td>
<td>2.08</td>
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<td>2.80</td>
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<td>3.83</td>
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<td>6.83</td>
<td>7.83</td>
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<tr>
<td>60 (1524)</td>
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<td>5.16</td>
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<td>72 (1829)</td>
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<td>20.29</td>
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### NOTES

Free Area is the minimum area through which air can pass. For horizontal blade louvers, free area is determined by multiplying the sum of the minimum distances between intermediate blades, top blade, and head, bottom blade and sill, by the minimum distance between jambs.

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