**AS2D45H**

**FRAME:**  
Extruded aluminum 2" deep curtain wall frame design in .081" thk. (nominal), 6063-T6/T52 Alloy

**BLADES:**  
Stationary Blades are 45° drainable design, extruded aluminum .064" thk. (nominal) of 6063-T6/T52 alloy, approximate 2 3/4" on centers.

**Face of Louver:**  
Full width sill with head and blades contained within jambs.

**Screens:**  
(When indicated, in a removable frame)  
Bird Screen - 1/2" Flattened Aluminum, .051" thk.  
OR - 1/2" sq. mesh intermediate double crimped aluminum wire, .063" dia.  
OR - 18/16 mesh, .011" dia. aluminum wire insect screen.

**Finish:**  
- Mill

**Minimum Panel Size:**  
12" x 12"

**Maximum Panel Size:**  
60" x 96"

**LOUVER PERFORMANCE STATEMENT**  
The Airline Model AS2D45H shall be fabricated to provide a minimum of (45%), 7.23 square feet of free area for a 48" x 48" size louver with and bear the AMCA Certified Rating Program Seal for air performance and water penetration. The rating shall show a beginning point of water penetration at .01 ounces per square foot of free area at a free area velocity of 901 feet per minute, (6514) cubic feet per minute, with .110 inches water gauge pressure drop for air intake.

For AMCA certified ratings authorized by AMCA - See reverse side

Nominal Deductions will be made to the opening size given

<table>
<thead>
<tr>
<th>ITEM</th>
<th>QTY</th>
<th>OPENING SIZE</th>
<th>LOUVER SIZE</th>
<th>OPTIONAL ACCESSORIES</th>
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<tbody>
<tr>
<td></td>
<td></td>
<td>&quot;A&quot; WIDTH</td>
<td>&quot;B&quot; HEIGHT</td>
<td>&quot;A&quot; WIDTH</td>
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<tr>
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<td>LOCATION:</td>
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1020 Prince Frederick Blvd. Suite 305, Prince Frederick, MD 20687  
Phone: (301) 420-7079 • Fax: (301) 420-7078
**AS2D45H**

**Performance Date**

Test of a 48" x 48" sample by an AMCA registered laboratory according to AMCA Standard 500-L shows less than .02 oz. per sq. ft. water penetration at 901 fpm (free area velocity) with less than .12" w.g. pressure drop (intake).

Ratings Do Not Include Effects Of Birdscreen.

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**Pressure Drop**

![Pressure Drop Graph](image)

- **Intake Air Converted to Standard Air Density Tested To AMCA Figure 5.5**

- **Velocity (fpm) x 100 Thru Free Area**

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**Water Penetration**

![Water Penetration Graph](image)

- **Velocity (fpm) Thru Free Area**
- **901 fpm Beginning Of Water Penetration**

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**FREE AREA (SQ. FT.)**

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<th>HEIGHT x WIDTH</th>
<th>12&quot;</th>
<th>18&quot;</th>
<th>24&quot;</th>
<th>30&quot;</th>
<th>36&quot;</th>
<th>42&quot;</th>
<th>48&quot;</th>
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<tr>
<td><strong>12&quot;</strong></td>
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<td>0.44</td>
<td>0.60</td>
<td>0.76</td>
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<td>1.87</td>
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Airline Louvers certifies that the Model AS2D45H shown herein is licensed to bear the AMCA Seal. The rating shown are based on tests and procedures performed in accordance with the 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.

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In the interest of product development, Airline reserves the right to make changes without notice.

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