**GS4B45H**

**FRAME:**
Formed 4" deep frame of 18 gauge galvanized steel.

**BLADE:**
Formed 18 gauge galvanized steel baffle blade design at 45° and approximate 4 1/8" centers

**Screens:**
(When indicated)
Bird Screen - 1/2" square mesh, 19 ga. galvanized steel (.041"").

**Construction:**
Riveted and or welded, full sill with blades and head contained within.

**Finish:** - Mill

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

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

**LOUVER PERFORMANCE STATEMENT**

Louver model GS4B45H shall be fabricated to provide a minimum of (51.6%), 8.25 square feet of free area for a 48" x 48" size louver 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 643 feet per minute, (5305) cubic feet per minute, with .07 inches water gauge pressure drop for air intake.

Flange Frame Available

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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**PROJECT:**

**LOCATION:**

**ARCH/ENGR.:**

**CONTRACTOR:**

**REPRESENTATIVE:**

**DATE:**

1020 Prince Frederick Blvd. Suite 305 • Prince Frederick, MD 20687 • Phone: (570) 420-7079 • Fax: (570) 420-7078
GS4B45H

Performance Data
Test of a 48" x 48" sample by an AMCA registered Laboratory accounting to AMCA Standard 500 shows low water penetration. Test shows less than .02 oz. per sq. ft. water penetration at 650 fpm. (free area velocity) with less than .07 inches water gauge pressure drop (intake).

*Ratings do not include effects of birdscreen.*

Pressure Drop

![Pressure Drop Graph]

Water Penetration

![Water Penetration Graph]

Velocity (FPM) x 100 thru free area

Intake Air Converted To Standard Air Density Tested To AMCA Figure 5.5

FREE AREA (SQ. FT.)

<table>
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<tr>
<th>HEIGHT</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>
<th>54&quot;</th>
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<tbody>
<tr>
<td>12&quot;</td>
<td>0.26</td>
<td>0.41</td>
<td>0.57</td>
<td>0.72</td>
<td>0.87</td>
<td>1.03</td>
<td>1.18</td>
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<td>24&quot;</td>
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<td>17.41</td>
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Airline Louvers certifies that the Model GS4B45H 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 seal applies to Air Performance and Water Penetration rating.

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

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