## STANDARD MATERIALS AND CONSTRUCTION

**FRAME:** .081" thick (nominal) extruded aluminum, 6063-T52/T6 alloy.

**BLADE:** .081" thick (nominal) extruded aluminum, 6063-T52/T6 alloy.

Blades approximately 5” on centers.

**LOUVER FACE:** Full width sill, with blades and head contained in jambs.

**SCREEN:** (When indicated.)
- ½” flattened aluminum (.051” thick),
- or- ½” sq. mesh, intermediate double-crimped aluminum wire, .063” dia.,
- or- ¹⁸⁄₃₂ mesh, .011” dia. aluminum wire, insect screen.

**FINISH:** Mill

### OPTIONS

Finish - Baked Enamel, Kynar, Anodize

### NOTES

1. Nominal deductions will be made to the opening size given.
2. Louvers larger than the maximum factory assembled size will require field assembly of smaller louver sections.
3. Approximate shipping weight is 4.5 lbs./sq.ft.

### LOUVER SIZES

<table>
<thead>
<tr>
<th>Min Panel</th>
<th>Max Single Panel</th>
</tr>
</thead>
<tbody>
<tr>
<td>12&quot;W x 12&quot;H</td>
<td>40 sq. ft.</td>
</tr>
</tbody>
</table>

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

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### Flange Frame Option

- 1⅜” Usable Flange

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### Flange Frame

(Available either face.)

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### LOUVER SIZES

<table>
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<tr>
<th>Item #</th>
<th>Qty</th>
<th>Width</th>
<th>Height</th>
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<td>Opening Size</td>
<td>Louver Size</td>
<td>Mullion</td>
<td>Type</td>
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<td>Screen</td>
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<td>Min Panel</td>
<td>Max Single Panel</td>
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**Arch. / Eng.:**

**Contractor:**

**Project:**

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

**Pressure Drop:** .19 in. w.g. at 1000 fpm (intake)

**Free Area:** 8.16 sq.ft. = 51% for 48"W x 48"H sample tested in accordance with AMCA Standard 500-L.

**Beginning Point of Water Penetration:** 1021 fpm

Ratings do not include effects of a screen.

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**Chart:**
- **Pressure Drop**
  - Graph showing pressure drop versus velocity (fpm) x 100 thru free area.
- **Water Penetration**
  - Graph showing water penetration versus free area - 15 minute interval.

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**Free Area (sq.ft.)**

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<tr>
<th>Width (in.)</th>
<th>12&quot;</th>
<th>24&quot;</th>
<th>36&quot;</th>
<th>48&quot;</th>
<th>60&quot;</th>
<th>72&quot;</th>
<th>84&quot;</th>
<th>96&quot;</th>
<th>108&quot;</th>
<th>120&quot;</th>
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Airline Louvers certifies that the Model AS4D45H 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 only.