AC6D35H

**FRAME:**
Extruded aluminum 6" deep channel frame .080" thk. (nominal), 6063-T6/T52 alloy.

**BLADE:**
- **Stationary Blades**
  Extruded aluminum, 35° drainable blade of .080" thk. (nominal) of 6063-T6 alloy, 4 1/2" on centers.
- **Adjustable Blades** are .125" thk. (nominal) extruded aluminum 6063-T6/52 alloy.

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

**Bearings:**
"Double Sealed" bearing, with inner bearing riding inside a polycarbonate outer bearing, designed so that Celcon bearing material will not cause metal to metal friction.

**Linkage:**
Extruded aluminum, concealed in the channel out of the airstream. Pivots are .50" dia. plated machined steel. Pivots rotate in a celcon bearing. A .312" dia. aluminum linkage rod is locked to the pivot by a 1/4 - 20 set screw with epoxy locking patch.

**Shafts:**
.50" dia aluminum "Pin-Lock" rod.

**Seals:**
Extruded silicone rubber seals at blade edge. Foam on bottom blade and Stainless Steel at jamb.

**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:** 48" x 96"

**LOUVER PERFORMANCE STATEMENT**
The Airline Model AA6D35H shall be fabricated to provide a minimum of (52%), 8.24 square feet of free area for a 48" x 48" size louver, and bear the AMCA Certified Ratings 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 velocity of 1029 feet per minute, (8479) cubic feet per minute with a .11 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>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>&quot;A&quot; WIDTH</td>
<td>&quot;B&quot; HEIGHT</td>
<td>&quot;A&quot; WIDTH</td>
</tr>
<tr>
<td></td>
<td></td>
<td>&quot;A&quot; WIDTH</td>
<td>&quot;B&quot; HEIGHT</td>
<td>VERT</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>TYPE</td>
</tr>
</tbody>
</table>

**PROJECT:**

**LOCATION:**

**ARCH/ENGR:**

**CONTRACTOR:**

**REPRESENTATIVE:**

**DATE:**
AC6D35H

Performance Date
Ratings Do Not Include Effects Of Birdscreen.

Pressure Drop

![Graph showing Pressure Drop vs. Velocity (fpm) x 100 Thru Free Area](image)

Water Penetration

![Graph showing Water Penetration vs. Velocity (fpm) Thru Free Area](image)

FREE AREA (SQ. FT.)

<table>
<thead>
<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>
</tr>
</thead>
<tbody>
<tr>
<td>12&quot;</td>
<td>0.14</td>
<td>0.24</td>
<td>0.34</td>
<td>0.45</td>
<td>0.55</td>
<td>0.65</td>
<td>0.76</td>
</tr>
<tr>
<td>24&quot;</td>
<td>0.64</td>
<td>1.12</td>
<td>1.60</td>
<td>2.08</td>
<td>2.55</td>
<td>3.03</td>
<td>3.51</td>
</tr>
<tr>
<td>36&quot;</td>
<td>1.00</td>
<td>1.76</td>
<td>2.51</td>
<td>3.26</td>
<td>4.02</td>
<td>4.77</td>
<td>5.52</td>
</tr>
<tr>
<td>48&quot;</td>
<td>1.50</td>
<td>2.62</td>
<td>3.74</td>
<td>4.87</td>
<td>5.99</td>
<td>7.11</td>
<td>8.24</td>
</tr>
<tr>
<td>60&quot;</td>
<td>2.00</td>
<td>3.50</td>
<td>4.99</td>
<td>6.49</td>
<td>7.99</td>
<td>9.49</td>
<td>10.99</td>
</tr>
<tr>
<td>72&quot;</td>
<td>2.36</td>
<td>4.14</td>
<td>5.91</td>
<td>7.68</td>
<td>9.45</td>
<td>11.23</td>
<td>13.00</td>
</tr>
<tr>
<td>84&quot;</td>
<td>2.86</td>
<td>5.00</td>
<td>7.14</td>
<td>9.28</td>
<td>11.42</td>
<td>13.57</td>
<td>15.71</td>
</tr>
<tr>
<td>96&quot;</td>
<td>3.36</td>
<td>5.87</td>
<td>8.39</td>
<td>10.91</td>
<td>13.43</td>
<td>15.94</td>
<td>18.46</td>
</tr>
</tbody>
</table>

Air Leakage (louver installed position), intake is per AMCA Standard 500 Procedure Fig. 5.5

**AIR LEAKAGE**: with adjustable blade in closed position with a seating torque of 6.25 in. lb. sq. ft. of louver face area. Leakage is based on a test of a 48" x 48" louver

![Graph showing Static Pressure Drop vs. Static Pressure Drop](image)

Air Leakage (cfm per sq. ft.) of louver face area at .075 lbs. per cu. ft.

Airline Louvers certifies that the Model AA6D35H 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 Rating Program.

The AMCA Certified Ratings Seals applies to Air Performance ratings and Water Penetration ratings.