**FRAME:**
Extruded aluminum 5' deep frame in .081" thk. (nominal), 6063-T6/T52 Alloy.

**BLADES:**
Stationary Blades are chevron drainable design, extruded aluminum .080" thk. (nominal) of 6063-T6/T52 alloy, approximate 2" on centers.

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

**Drain Sill Pan:**
.060" Thick formed aluminum.

**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.

**Louvers Sizes:** 12" x 12" Minimum Panel.
40 sq, feet is the maximum section size. Louver larger than the maximum factory assembled size will require field assembly of smaller louver sections.

**LOUVER PERFORMANCE STATEMENT**
The Airline Model AS5D99HS shall be fabricated to provide a minimum of (44.3%), 7.08 square feet of free area for a 48" x 48" size louver and bear the AMCA Certified Rating Seal for Air Performance, Water Penetration and Wind Driven Rain. The rating shall show a beginning point of water penetration at .01 ounces per square foot of free area to be above 1250 fpm (8,850 cfm) with .21 inches water gauge pressure drop at 1000 fpm air intake.

In addition, this louver is tested to Wind Driven Rain Test Standard AMCA 500-L-99. Where the louver is subjected to simulated Wind Driven Rain. The result of this test for a size 48" x 48" louver, shall show a Class "A" rating having at 3 inches of rainfall at an intake velocity of 1,133 fpm (8,022 cfm) at a wind speed of 29 mph, and a Class "B" rating at 8" rainfall at an intake velocity of 1,307 fpm (9,254 cfm) at a wind speed of 50 mph.

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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<tr>
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<td>&quot;A&quot; WIDTH</td>
<td>&quot;B&quot; HEIGHT</td>
<td>&quot;A&quot; WIDTH</td>
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**PROJECT:**

**ARCH/ENGR:**

**REPRESENTATIVE:**

**LOCATION:**

**CONTRACTOR:**

**DATE:**
AS5D99HS

Performance Date

Test of a 48" x 48" according to AMCA Standard 500-L shows the beginning point of water penetration is above 1250 fpm through the free area of the louver, with less than .32 inches water gauge pressure drop at 1000 fpm (intake).

Ratings Do Not Include Effects Of Birdscreen.

AMCA Standard 500-L limits testing of water penetration to either a maximum velocity of 1250 fpm or 2.5 ounces of water per square foot of louver free area.

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

1020 Prince Frederick Blvd. Suite 305 • Prince Frederick, MD 20678 • Phone: (570) 420-7079 • Fax: (570) 420-7078
Airline Louvers certifies that the Model AS5D99HS 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, Water Penetration and Wind Driven Rain ratings only.

1. Core area is the front opening of a louver assembly with the blades removed.

2. Core area velocity is the airflow rate through the louver divided by the core area (39.37" x 39.37").

3. Free area is the minimum area through which air can pass. It is determined by multiplying the sum of the minimum distance between intermediate blades, top blade and head, bottom blade and sill. By the minimum distance between jambs.

4. Discharge loss coefficient is calculated by dividing a louver actual airflow rate vs. a theoretical airflow for the opening. Providing an indication of the louver airflow characteristics.

AMCA accredited laboratory is a laboratory equipped and staffed to conduct tests according to the appropriate AMCA test method and which has been licensed as a AMCA accredited laboratory.

Airline Louvers
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