Construction Specialties Inc. certifies that Model RS-7305 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 wind driven rain and air performance ratings only.

**TEST DATA:**
For a 4’x4’ Unit. Tested with mill finish and no screen
- Free Area = 6.90 ft² (0.7 m²)
- Percent free area = 43.5%

**DESIGN DATA:**
To maintain a CLASS A (99%) Effectiveness rating with a 29 mph wind speed an rainfall rate of 3in/hr
- Maximum intake core velocity 1.0 m/s (187 FPM)
- Maximum intake free area velocity 1.8 m/s (358 FPM)
- Intake pressure drop 8.4 Pa (0.03 in. H₂O)
- Intake capacity 0.95 m³/s (2010 CFM)

*S* Louver tested with 1m² core area, mill finish and no screen

**SUGGESTED SPECIFICATIONS:**

**GENERAL:** Furnish and install where indicated on the drawings C/S 7” (177.8 mm) STORM RESISTANT FIXED HORIZONTAL LOUVER MODEL RS-7305 as manufactured by Construction Specialties, Inc., Lebanon, NJ. Complete details shall be submitted to the architect for approval prior to fabrication. The supplier must be a member of AMCA or BSRIA.

**MATERIAL:** Frames and blades to be fabricated from 6063-T5 aluminum alloy. Louver to be mechanically fastened using stainless steel or aluminum fasteners. Louvers to be supplied with 4” (101.6 mm) high by full depth sill flashing formed from minimum 0.050" (1.27 mm) thick aluminum. Sill flashing to have welded side panels. Louvers and sill flashing to be installed in accordance with the manufacturer’s recommended procedures to ensure complete water integrity performance of louver system. All louvers to be furnished with 5/8” (15.87 mm) flattened expanded mesh, aluminum bird screen with a .055” (1.4 mm) thick extruded aluminum frame.

**STRUCTURAL DESIGN:** Structural supports shall be designed and furnished by the louver manufacturer to carry a wind load of not less than _____ psf. (kPa). (Note: If this paragraph is omitted or if the design wind load is not specified, the louvers will be manufactured in self supporting units up to a maximum of 5’ (1524 mm) wide by 8’ (2438 mm) high. Any additional structural supports required to adequately secure these units within the opening shall be the responsibility of others.)

**FINISH:** All louvers shall be finished with C/S Powder Coat, a coating to be 1.5 to 3 mil. thick full strength 100% resin Fluoropolymer coating. Finish to allow zero VOCs to be emitted into facility of application. Finish to adhere to a 4H Hardness rating. All finishing procedures shall be one continuous operation in the plant of the manufacturer. The coating shall meet or exceed all requirements of AAMA specification 2605 “Voluntary Specification for High Performance Organic Coatings on Architectural extrusions and Panels.” The louver manufacturer shall supply an industry standard 20-year limited warranty against failure or excessive fading of the Fluoropolymer Powder Coat finish. This limited warranty shall begin on the date of material shipment.

**WIND DRIVEN RAIN PERFORMANCE:**

The louver test was based on a 39.370° (1.00 m) core area unit tested at a rainfall rate of 3” per hour (75 mm/hr) and with a wind directed to the face of the louver at a velocity 29.1 mph (13 m/s). The test data shall show the water penetration effectiveness rating at each corresponding ventilation rate.

<table>
<thead>
<tr>
<th>Core Ventilation Rate (m/s):</th>
<th>0.0</th>
<th>0.6</th>
<th>1.0</th>
<th>1.5</th>
<th>2.0</th>
<th>2.5</th>
<th>3.0</th>
<th>3.5</th>
</tr>
</thead>
<tbody>
<tr>
<td>Core Ventilation Rate (ft/min):</td>
<td>0</td>
<td>119</td>
<td>187</td>
<td>286</td>
<td>388</td>
<td>482</td>
<td>590</td>
<td>693</td>
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<tr>
<td>Free Area Ventilation Rate (ft³/min):</td>
<td>0</td>
<td>228</td>
<td>358</td>
<td>548</td>
<td>743</td>
<td>924</td>
<td>1130</td>
<td>1328</td>
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<tr>
<td>Rating Effectiveness:</td>
<td>A</td>
<td>A</td>
<td>A</td>
<td>B</td>
<td>B</td>
<td>C</td>
<td>C</td>
<td>D</td>
</tr>
<tr>
<td>Effectiveness Ratio @ 29 &amp; 3 (%)</td>
<td>99.5</td>
<td>99.5</td>
<td>99.1</td>
<td>98.1</td>
<td>96.8</td>
<td>91.5</td>
<td>81.1</td>
<td>69.5</td>
</tr>
<tr>
<td>Effectiveness Rating:</td>
<td>A = 1 to 0.99</td>
<td>B = 0.989 to 0.95</td>
<td>C = 0.949 to 0.80</td>
<td>D = 0.80 to 0</td>
<td></td>
<td></td>
<td></td>
<td></td>
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</tbody>
</table>

**To download details and specifications visit www.c-sgroup.com. For technical and design assistance call 800-631-7379**
### PERFORMANCE DATA MODEL RS-7305

**Width in Inches and Meters**

<table>
<thead>
<tr>
<th>Width (Inches)</th>
<th>Height (Inches)</th>
<th>Airflow (CFM)</th>
<th>Static Pressure (Inches)</th>
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</thead>
<tbody>
<tr>
<td>18</td>
<td>24</td>
<td>56.1</td>
<td>3.00</td>
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<tr>
<td>24</td>
<td>30</td>
<td>84.5</td>
<td>3.87</td>
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<tr>
<td>36</td>
<td>42</td>
<td>120.6</td>
<td>5.08</td>
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<tr>
<td>48</td>
<td>54</td>
<td>157.2</td>
<td>6.07</td>
</tr>
<tr>
<td>60</td>
<td>66</td>
<td>193.8</td>
<td>7.03</td>
</tr>
</tbody>
</table>

__For a 48" X 48" sized louver tested to figure 5.5.__

Data corrected to standard air density.

**Construction Specialties, Inc.**

**Manufacturing & Sales Location**

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For assistance with overseas requirements, call CIS International (908) 236-0800

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