Model 1704JD, incorporating J style blades, is an architecturally styled 4" (102) deep formed louver designed with smooth, clean lines that visually compliment any structure’s exterior styling. Galvanized steel construction is economical, yet durable and is available with channel or flanged frame. The drainable head feature utilizes a top gutter that collects the water running down the building face and channels it out the concealed downspouts in the side frame, thus preventing it from flowing down into the airstream. Suitable for use in exhaust and low to medium velocity intake applications, the blade design features a rear water baffle and provides good protection against general weather conditions, with low pressure drop characteristics and a high free area. Model 1704JD is AMCA Licensed and is engineered to be architecturally appealing as well as mechanically enduring.

STANDARD CONSTRUCTION:
FRAME: 4" (102) deep, 18 ga. (1.3) formed galvanized steel.
BLADES: 20 ga. (1.0) formed galvanized steel. J style.
BLADE ANGLE: Fixed at 45 degrees.
BLADE SPACING: Approx. 3.875" (98) on centers.
SCREEN: 1/2" x 1/2" x 19 ga. (13 x 13 x 1.0) galvanized bird screen in removable frame (adds approximately 3/8" [10] to louver depth).
FINISH: Mill.
MINIMUM SIZE: 12" wide x 12" high (305 x 305).
MAXIMUM SINGLE SECTION SIZE: 60" wide x 96" high (1524 x 2438). Larger louvers will require field assembly of smaller sections.

OPTIONS:
- FL Flanged Frame.
- BSA Aluminum Bird Screen.
- BSSS Type 304 S.S. Bird Screen.
- BSN No Bird Screen.
- ISA Aluminum Insect Screen.
- ISSS Type 304 S.S. Insect Screen.
- 18GA 18 Gauge Construction.
- 16GA 16 Gauge Construction.
- 304 Type 304 S.S. Construction.
- 316 Type 316 S.S. Construction.
- WE Welded Construction.
- ESI Extended Sill.
- FR1 1" (25) Filter Rack.
- FR2 2" (51) Filter Rack.
- PAC Perimeter Anchor Clips.
- PC4 High Performance Powder Coat AAMA 2604 (Equivalent to 50% Kynar®). Color: ________________ .
- PC5 Fluoropolymer Powder Coat AAMA 2605 (Equivalent to 70% Kynar®). Color: ________________ .
- PCC Prime Coat.

OPTIONAL FINISHES:
- PC4 High Performance Powder Coat AAMA 2604 (Equivalent to 50% Kynar®). Color: ________________ .

OPTIONAL W x H SIZING (1/4" [6.5] Undersize standard):
- U00 Exact Size.
- U38 Undersize 3/8" (9.5).
- U50 Undersize 1/2" (12.7).
To minimize water penetration when sizing intake louvers, select a Free Area below the point of beginning water penetration. Nailor Industries Inc. certifies the Model 1704JD 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. Seal applies to air performance ratings and water penetration ratings.

**PRESSURE DROP**

Air Velocity in Feet (Meters) Per Minute Through Free Area

Louver test size: 48” x 48” (1219 x 1219 mm). Standard air density @ 0.075 lbs/ft³. Tested to AMCA Fig. 5.5-6.5.

**FREE AREA** in Square Feet and Square Meters

<table>
<thead>
<tr>
<th>Width in Inches</th>
<th>12</th>
<th>18</th>
<th>24</th>
<th>30</th>
<th>36</th>
<th>42</th>
<th>48</th>
<th>54</th>
<th>60</th>
</tr>
</thead>
<tbody>
<tr>
<td>Free Area sq. ft.</td>
<td>8.38</td>
<td>9.71</td>
<td>11.04</td>
<td>12.37</td>
<td>13.70</td>
<td>15.03</td>
<td>16.36</td>
<td>17.69</td>
<td>19.02</td>
</tr>
<tr>
<td>Free Area sq. m.</td>
<td>0.78</td>
<td>0.91</td>
<td>1.04</td>
<td>1.17</td>
<td>1.30</td>
<td>1.43</td>
<td>1.56</td>
<td>1.69</td>
<td>1.82</td>
</tr>
</tbody>
</table>

**PRESSURE DROP** in Inches w.g. (Pa)

1 in. w.g. (24.8 Pa)

**PROJECT:**

**ENGINEER:**

**CONTRACTOR:**