### Table of Single-Hung Window Sizes — 3:2 or 2:1 Reverse Cottage Sash Ratio

<table>
<thead>
<tr>
<th>Window Dimension</th>
<th>1'-5 1/8&quot;</th>
<th>1'-11 1/2&quot;</th>
<th>2'-5 1/2&quot;</th>
<th>2'-11 1/2&quot;</th>
<th>3'-5 1/2&quot;</th>
<th>3'-11 1/2&quot;</th>
</tr>
</thead>
<tbody>
<tr>
<td>Minimum Rough Opening</td>
<td>1'-6&quot;</td>
<td>2'-0&quot;</td>
<td>2'-6&quot;</td>
<td>3'-0&quot;</td>
<td>3'-6&quot;</td>
<td>4'-0&quot;</td>
</tr>
<tr>
<td>Unobstructed Glass</td>
<td>(457)</td>
<td>(610)</td>
<td>(762)</td>
<td>(914)</td>
<td>(1067)</td>
<td>(1219)</td>
</tr>
<tr>
<td>CUSTOM WIDTHS — 1'-5 1/8&quot; to 3'-11 1/2&quot;</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CUSTOM HEIGHTS AVAILABLE</td>
<td>12&quot;</td>
<td>16&quot;</td>
<td>20&quot;</td>
<td>24&quot;</td>
<td>28&quot;</td>
<td>32&quot;</td>
</tr>
</tbody>
</table>

- Custom-size windows are available in 1/8" (3) increments.
- Reverse cottage sash are based on a 3:2 ratio.
- Windows with a height greater than 6'-5 1/2" (1969) are only available with a 2:1 reverse cottage sash ratio.
- For construction site convenience, an optional Drywall Pass-Through Window is available for removal and installation of the upper and lower sash.
100 Series custom-size windows are available in \( \frac{1}{8} \)" (3) increments between minimum and maximum widths and heights shown. Some restrictions apply.

### Single-Hung Windows

Windows with a height greater than 77 \( \frac{1}{2} \)" (1969) are only available with a 2:1 reverse cottage ratio.

### 3:2 Reverse Cottage Sash Ratio

- **Clear Opening**
  - Width = \( \text{window width} - 3.500" \) (89)
  - Height = \( (\text{window height} \times 0.4 - 1.866 \times 47) + 0.039" \) (0.5)
  - *Round down

- **Vent Opening**
  - Width = \( \text{window width} - 3.500" \) (89)
  - Height = \( (\text{window height} \times 0.4 - 1.866 \times 47) + 0.039" \) (0.5)
  - *Round down

- **Minimum R.O.**
  - Width = \( \text{window width} + \frac{1}{2}" \) (13)
  - Height = \( \text{window height} + \frac{1}{2}" \) (13)

- **Unobstr. Glass**
  - Width = \( \text{window width} - 6.250" \) (159)
  - Fixed Sash Height = \( \text{window height} \times 0.6 - 4.799" \) (122)
  - Venting Sash Height = \( \text{window height} \times 0.4 - 3.611" \) (92)
  - Total Sash Height = \( \text{window height} - 8.410" \) (214)

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* Single hung windows in heights greater than 77 \( \frac{1}{2} \)" (1969) are only available with a 2:1 reverse cottage sash ratio. Contact your Andersen supplier for opening specifications.
* Drywall Pass Through Window is available for custom-size windows wider than 23 \( \frac{1}{2} \)" (597) and taller than 53 \( \frac{1}{2} \)" (1359).