Custom-size windows are available in 1/8" (3) increments.

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 reinstallation of the upper and lower sash.

Size tables for windows with reverse cottage sash are available on andersenwindows.com.

**Window Dimension** always refers to outside frame to frame dimension.

*Minimum Rough Opening* dimensions may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items.

*Dimensions in parentheses are in millimeters.*

*Meet or exceed clear opening area of 5.7 sq.ft. or 0.53 m², clear opening width of 20" (508) and clear opening height of 24" (610).*

*For reverse cottage sash windows, meeting rail location = (window height in inches x 0.40) + 1.96".*

*For heights greater than 6'-5 1/2" (1969), meeting rail location = (window height in inches x 0.33) + 1.96".*

*Drywall pass-through window available for these standard and reverse cottage sizes and for custom-size windows wider than 1'-11 1/2" (597) and taller than 4'-5 1/2" (1359).*

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### Table of Single-Hung Window Sizes

Scale 1/8" (3) = 1'-0" (305) — 1:96

<table>
<thead>
<tr>
<th>Minimum Rough Opening</th>
<th>Minimum Rough Opening</th>
</tr>
</thead>
<tbody>
<tr>
<td>1'-6&quot; (1981)</td>
<td>2'-0&quot; (609)</td>
</tr>
<tr>
<td>2'-6&quot; (762)</td>
<td>3'-0&quot; (914)</td>
</tr>
<tr>
<td>3'-6&quot; (991)</td>
<td>4'-0&quot; (1194)</td>
</tr>
</tbody>
</table>

### Reverse Cottage Custom Widths

- 1'-5 1/2" (445) to 3'-11 1/2" (1207)

### Reverse Cottage Custom Heights

- 2'-5 1/2" (749) to 6'-5 1/2" (1969)

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Page 1 of 2
Table of Single-Hung Window Sizes (continued)
Scale \( \frac{1}{8"} = 1'-0" (305) \) — 1:96

<table>
<thead>
<tr>
<th>Window Dimension</th>
<th>1'-5 ( \frac{1}{2} &quot; )</th>
<th>1'-11 ( \frac{1}{2} &quot; )</th>
<th>2'-5 ( \frac{1}{2} &quot; )</th>
<th>2'-11 ( \frac{1}{2} &quot; )</th>
<th>3'-5 ( \frac{1}{2} &quot; )</th>
<th>3'-11 ( \frac{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>11 ( \frac{1}{2} &quot; )</td>
<td>17 ( \frac{1}{2} &quot; )</td>
<td>23 ( \frac{1}{2} &quot; )</td>
<td>29 ( \frac{1}{2} &quot; )</td>
<td>35 ( \frac{1}{2} &quot; )</td>
<td>41 ( \frac{1}{2} &quot; )</td>
</tr>
</tbody>
</table>

Windows with a height greater than 6'-5 \( \frac{1}{2} " \) (1969) are only available with a 2:1 reverse cottage sash ratio.

• "Window Dimension" always refers to outside frame to frame dimension.
• "Minimum Rough Opening" dimensions may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items.
• Dimensions in parentheses are in millimeters.
• Meet or exceed clear opening area of 5.7 sq.ft. or 0.53 m\(^2\), clear opening width of 20" (508) and clear opening height of 24" (610).
• For heights greater than 6'-5 \( \frac{1}{2} " \) (1969), meeting rail location = (window height in inches x 0.33) + 1.96".

Drywall pass-through window available for these standard and reverse cottage sizes and for custom-size windows wider than 1'-11 \( \frac{1}{2} " \) (597) and taller than 4'-5 \( \frac{1}{2} " \) (1359).

Custom Sizes & Specifications

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

<table>
<thead>
<tr>
<th>Equal Sash Ratio</th>
<th>Clear Opening</th>
<th>Minimum R.O.</th>
<th>Unobstr. Glass</th>
</tr>
</thead>
<tbody>
<tr>
<td>Width = window width ( - ) ( \frac{1}{2} &quot; )</td>
<td>Height = (window height + 2) ( - ) 3.711&quot;</td>
<td>Width = window width + ( \frac{1}{2} &quot; )</td>
<td>Height = window height + ( \frac{1}{2} &quot; )</td>
</tr>
<tr>
<td>Width = window width + ( \frac{1}{2} &quot; )</td>
<td>Height = (window height + 2) ( - ) 3.711&quot;</td>
<td>Width = window width ( - ) ( \frac{3}{4} &quot; )</td>
<td>Height = window height ( - ) ( \frac{3}{4} &quot; )</td>
</tr>
<tr>
<td>Fixed Sash Height = (window height + 2) ( - ) 4.226&quot;</td>
<td>Venting Sash Height = (window height + 2) ( - ) 4.184&quot;</td>
<td>Total Sash Height = window height ( - ) 8.410&quot;</td>
<td></td>
</tr>
</tbody>
</table>

• 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).

• Clear Opening formulas provide dimensions for determining area available for passage of air. Minimum R.O. (minimum rough opening) formulas provide minimum rough opening width and height dimensions.

• Unobstr. Glass (unobstructed glass) formulas provide dimensions for determining area available for passage of light.

• Dimensions in parentheses are in millimeters.

• Window heights that require a 2:1 reverse cottage sash ratio are available in custom sizes from 17 \( \frac{1}{2} " \) (445) to 47 \( \frac{1}{2} " \) (1207) in width to 29 \( \frac{1}{2} " \) (749) to 77 \( \frac{1}{2} " \) (1969) in height. For area and opening specification formulas, visit andersenwindows.com.

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

* Dimensions in parentheses are in millimeters.
* Clear Opening formulas provide dimensions for determining area available for egress. Vent Opening formulas provide dimensions for determining area available for passage of air. Minimum R.O. (minimum rough opening) formulas provide minimum rough opening width and height dimensions. Unobstr. Glass (unobstructed glass) formulas provide dimensions for determining area available for passage of light.