

400 SERIES CASEMENT & AWNING WINDOWS



Table of Casement and Transom Window Sizes

Scale 1/8" (3) = 1'-0" (305) – 1:96

Notes on page 2 also apply to this page.

Window Dimension	1'-5" (432)	1'-8 1/2" (521)	2'-0 1/8" (613)	2'-4 3/8" (721)	2'-7 1/2" (800)	2'-11 15/16" (913)	2'-9 3/4" (857)	3'-4 3/4" (1035)	4'-0" (1219)	4'-8 1/2" (1435)
Minimum Rough Opening	1'-5 1/2" (445)	1'-9" (533)	2'-0 5/8" (625)	2'-4 7/8" (733)	2'-8" (813)	3'-0 1/2" (927)	2'-10 1/4" (870)	3'-5 1/4" (1048)	4'-0 1/2" (1232)	4'-9" (1448)
Unobstructed Glass (casement, single sash only)	12 5/8" (321)	16 1/8" (410)	19 3/4" (502)	24" (610)	27 1/8" (689)	31 9/16" (802)	12 5/8" (321)	16 1/8" (410)	19 3/4" (502)	24" (610)
Unobstructed Glass (transom, single sash only)	12 3/16" (310)	15 11/16" (398)	19 5/16" (491)	23 9/16" (599)	26 11/16" (678)	31 1/8" (791)	28 15/16" (735)	35 15/16" (913)	43 3/16" (1097)	51 11/16" (1313)

CUSTOM WIDTHS – 17" to 84 5/8"										
1'-0" (305)	1'-0 1/2" (318)	1'-0 1/2" (318)	1'-0 1/2" (318)	1'-0 1/2" (318)	1'-0 1/2" (318)	1'-0 1/2" (318)	1'-0 1/2" (318)	1'-0 1/2" (318)	1'-0 1/2" (318)	1'-0 1/2" (318)
CTR1510	CTR1810	CTR2010	CTR2410	CTR2810	CTR3010	CTR2910	CTR3410	CTR4010	CTR4810	
1'-0" (305)	1'-0 1/2" (318)	1'-0 1/2" (318)	1'-0 1/2" (318)	1'-0 1/2" (318)	1'-0 1/2" (318)	1'-0 1/2" (318)	1'-0 1/2" (318)	1'-0 1/2" (318)	1'-0 1/2" (318)	1'-0 1/2" (318)
							CTR21810	CTR22010	CTR22410	

CUSTOM WIDTHS – 17" to 35 15/16"										
2'-0 1/8" (613)	2'-0 5/8" (625)	2'-0 5/8" (625)	2'-0 5/8" (625)	2'-0 5/8" (625)	2'-0 5/8" (625)	2'-0 5/8" (625)	2'-0 5/8" (625)	2'-0 5/8" (625)	2'-0 5/8" (625)	2'-0 5/8" (625)
CR12	CN12	C12	CW12*							
2'-4 3/8" (721)	2'-4 7/8" (733)	2'-4 7/8" (733)	2'-4 7/8" (733)	2'-4 7/8" (733)	2'-4 7/8" (733)	2'-4 7/8" (733)	2'-4 7/8" (733)	2'-4 7/8" (733)	2'-4 7/8" (733)	2'-4 7/8" (733)
CR125	CN125	C125	CW125*	CX125						
2'-11 15/16" (913)	3'-0 1/2" (927)	3'-0 1/2" (927)	3'-0 1/2" (927)	3'-0 1/2" (927)	3'-0 1/2" (927)	3'-0 1/2" (927)	3'-0 1/2" (927)	3'-0 1/2" (927)	3'-0 1/2" (927)	3'-0 1/2" (927)
CR13	CN13	C13	CW13*	CX13	CXW13					
3'-4 13/16" (1037)	3'-5 3/8" (1051)	3'-5 3/8" (1051)	3'-5 3/8" (1051)	3'-5 3/8" (1051)	3'-5 3/8" (1051)	3'-5 3/8" (1051)	3'-5 3/8" (1051)	3'-5 3/8" (1051)	3'-5 3/8" (1051)	3'-5 3/8" (1051)
CR135	CN135	C135	CW135*	CX135 ^o	CXW135 ^o					
4'-0" (1219)	4'-0 1/2" (1232)	4'-0 1/2" (1232)	4'-0 1/2" (1232)	4'-0 1/2" (1232)	4'-0 1/2" (1232)	4'-0 1/2" (1232)	4'-0 1/2" (1232)	4'-0 1/2" (1232)	4'-0 1/2" (1232)	4'-0 1/2" (1232)
CR14	CN14	C14	CW14 ^o *	CX14 ^o	CXW14 ^o					
4'-4 13/16" (1341)	4'-5 3/8" (1356)	4'-5 3/8" (1356)	4'-5 3/8" (1356)	4'-5 3/8" (1356)	4'-5 3/8" (1356)	4'-5 3/8" (1356)	4'-5 3/8" (1356)	4'-5 3/8" (1356)	4'-5 3/8" (1356)	4'-5 3/8" (1356)
CR145	CN145	C145	CW145 ^o *	CX145 ^o	CXW145 ^o					
4'-11 7/8" (1521)	5'-0 3/8" (1534)	5'-0 3/8" (1534)	5'-0 3/8" (1534)	5'-0 3/8" (1534)	5'-0 3/8" (1534)	5'-0 3/8" (1534)	5'-0 3/8" (1534)	5'-0 3/8" (1534)	5'-0 3/8" (1534)	5'-0 3/8" (1534)
CR15	CN15	C15	CW15*	CX15 ^o	CXW15 ^o **					
5'-4 13/16" (1646)	5'-5 3/8" (1660)	5'-5 3/8" (1660)	5'-5 3/8" (1660)	5'-5 3/8" (1660)	5'-5 3/8" (1660)	5'-5 3/8" (1660)	5'-5 3/8" (1660)	5'-5 3/8" (1660)	5'-5 3/8" (1660)	5'-5 3/8" (1660)
CR155	CN155	C155	CW155*	CX155 ^o	CXW155 ^o **					
5'-11 7/8" (1826)	6'-0 3/8" (1838)	6'-0 3/8" (1838)	6'-0 3/8" (1838)	6'-0 3/8" (1838)	6'-0 3/8" (1838)	6'-0 3/8" (1838)	6'-0 3/8" (1838)	6'-0 3/8" (1838)	6'-0 3/8" (1838)	6'-0 3/8" (1838)
CR16	CN16	C16	CW16*	CX16 ^o	CXW16 ^o **					

*"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.
 o Dimensions in parentheses are in millimeters.
 o 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) with appropriate hinge specified.
 * Meet clear opening width of 20" (508) using hinge with wash mode and control bracket (bracket can be pivoted for cleaning position) and meet clear opening width of 22" (559) using hinge for widest clear opening.
 ** Available with straight-arm operators (hinged for widest clear opening) only.

400 SERIES CASEMENT & AWNING WINDOWS

Table of Casement and Transom Window Sizes (continued)

Scale 1/8" (3) = 1'-0" (305) – 1:96

Window Dimension	5'-2 3/4" (1594)	5'-11 5/8" (1819)	5'-1" (1549)	5'-11 7/8" (1826)	7'-0 5/8" (2149)
Minimum Rough Opening	5'-3 1/4" (1607)	6'-0 1/8" (1832)	5'-1 1/2" (1562)	6'-0 3/8" (1838)	7'-1 1/8" (2162)
Unobstructed Glass (casement, single sash only)	27 1/8" (689)	31 9/16" (802)	16 1/8" (410)	19 3/4" (502)	24" (610)
Unobstructed Glass (transom, single sash only)	57 15/16" (1472)	66 13/16" (1697)	56 3/16" (1427)	67 1/16" (1703)	79 13/16" (2027)

1'-0" (305)	1'-0 1/2" (318)	1'-0 1/2" (318)	1'-0 1/2" (318)	1'-0 1/2" (318)	1'-0 1/2" (318)
1'-0" (305)	1'-0 1/2" (318)	1'-0 1/2" (318)	1'-0 1/2" (318)	1'-0 1/2" (318)	1'-0 1/2" (318)
2'-0 1/8" (613)	2'-0 5/8" (625)	2'-0 5/8" (625)	2'-0 5/8" (625)	2'-0 5/8" (625)	2'-0 5/8" (625)
2'-4 3/8" (721)	2'-4 7/8" (733)	2'-4 7/8" (733)	2'-4 7/8" (733)	2'-4 7/8" (733)	2'-4 7/8" (733)
2'-11 15/16" (913)	3'-0 1/2" (927)	3'-0 1/2" (927)	3'-0 1/2" (927)	3'-0 1/2" (927)	3'-0 1/2" (927)
3'-4 13/16" (1037)	3'-5 3/8" (1051)	3'-5 3/8" (1051)	3'-5 3/8" (1051)	3'-5 3/8" (1051)	3'-5 3/8" (1051)
4'-0" (1219)	4'-0 1/2" (1232)	4'-0 1/2" (1232)	4'-0 1/2" (1232)	4'-0 1/2" (1232)	4'-0 1/2" (1232)
4'-4 13/16" (1341)	4'-5 3/8" (1356)	4'-5 3/8" (1356)	4'-5 3/8" (1356)	4'-5 3/8" (1356)	4'-5 3/8" (1356)
4'-11 7/8" (1521)	5'-0 3/8" (1534)	5'-0 3/8" (1534)	5'-0 3/8" (1534)	5'-0 3/8" (1534)	5'-0 3/8" (1534)
5'-4 13/16" (1646)	5'-5 3/8" (1660)	5'-5 3/8" (1660)	5'-5 3/8" (1660)	5'-5 3/8" (1660)	5'-5 3/8" (1660)
5'-11 7/8" (1826)	6'-0 3/8" (1838)	6'-0 3/8" (1838)	6'-0 3/8" (1838)	6'-0 3/8" (1838)	6'-0 3/8" (1838)

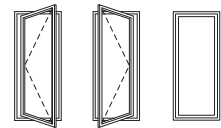
Window Dimension	5'-2 3/4" (1594)	5'-11 5/8" (1819)	5'-1" (1549)	5'-11 7/8" (1826)	7'-0 5/8" (2149)
Minimum Rough Opening	5'-3 1/4" (1607)	6'-0 1/8" (1832)	5'-1 1/2" (1562)	6'-0 3/8" (1838)	7'-1 1/8" (2162)
Unobstructed Glass (casement, single sash only)	27 1/8" (689)	31 9/16" (802)	16 1/8" (410)	19 3/4" (502)	24" (610)
Unobstructed Glass (transom, single sash only)	57 15/16" (1472)	66 13/16" (1697)	56 3/16" (1427)	67 1/16" (1703)	79 13/16" (2027)

1'-0" (305)	1'-0 1/2" (318)	1'-0 1/2" (318)	1'-0 1/2" (318)	1'-0 1/2" (318)	1'-0 1/2" (318)
1'-0" (305)	1'-0 1/2" (318)	1'-0 1/2" (318)	1'-0 1/2" (318)	1'-0 1/2" (318)	1'-0 1/2" (318)
2'-0 1/8" (613)	2'-0 5/8" (625)	2'-0 5/8" (625)	2'-0 5/8" (625)	2'-0 5/8" (625)	2'-0 5/8" (625)
2'-4 3/8" (721)	2'-4 7/8" (733)	2'-4 7/8" (733)	2'-4 7/8" (733)	2'-4 7/8" (733)	2'-4 7/8" (733)
2'-11 15/16" (913)	3'-0 1/2" (927)	3'-0 1/2" (927)	3'-0 1/2" (927)	3'-0 1/2" (927)	3'-0 1/2" (927)
3'-4 13/16" (1037)	3'-5 3/8" (1051)	3'-5 3/8" (1051)	3'-5 3/8" (1051)	3'-5 3/8" (1051)	3'-5 3/8" (1051)
4'-0" (1219)	4'-0 1/2" (1232)	4'-0 1/2" (1232)	4'-0 1/2" (1232)	4'-0 1/2" (1232)	4'-0 1/2" (1232)
4'-4 13/16" (1341)	4'-5 3/8" (1356)	4'-5 3/8" (1356)	4'-5 3/8" (1356)	4'-5 3/8" (1356)	4'-5 3/8" (1356)
4'-11 7/8" (1521)	5'-0 3/8" (1534)	5'-0 3/8" (1534)	5'-0 3/8" (1534)	5'-0 3/8" (1534)	5'-0 3/8" (1534)
5'-4 13/16" (1646)	5'-5 3/8" (1660)	5'-5 3/8" (1660)	5'-5 3/8" (1660)	5'-5 3/8" (1660)	5'-5 3/8" (1660)
5'-11 7/8" (1826)	6'-0 3/8" (1838)	6'-0 3/8" (1838)	6'-0 3/8" (1838)	6'-0 3/8" (1838)	6'-0 3/8" (1838)



Custom-size windows are available in 1/8" (3) increments. Windows can also be custom sized to match standard sizes ending in a sixteenth of an inch.

Single windows only.



Left Right Stationary

Choose left, right or stationary as viewed from the exterior. In addition to venting shown in table, other standard configurations are available for single, twin and triple windows. Transom (CTR) windows are stationary only.

Twin and triple windows shown have one continuous outer frame.

Transom (CTR) windows can be used over casement or awning windows, and may be rotated 90° and used as a sidelight with casement, awning or picture windows.

**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.

ØMeet 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) with appropriate hinge specified.

*Meet clear opening width of 20" (508) using hinge with wash mode and control bracket (bracket can be pivoted for cleaning position) and meet clear opening width of 22" (559) using hinge for widest clear opening.

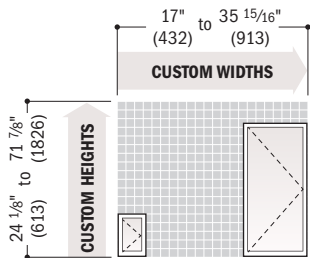
**Available with straight-arm operators (hinged for widest clear opening) only.

Custom Sizes and Specification Formulas



Available in 1/8" (3) increments between minimum and maximum widths and heights. Windows can also be custom sized to match standard sizes ending in a sixteenth of an inch. Some restrictions apply; contact your Andersen supplier. Custom sizing is available for single windows only. To achieve custom-size 2- or 3-wide combinations, join custom-size single windows. For minimum rough opening dimensions for joined windows, see specific joining instruction guides. Measurement guide for custom-size windows can be found at andersenwindows.com/measure.

Casement Windows (stationary and venting)



	Clear Opening		Min. R.O.	
	Width = window width – 5.81" (148) = (window width – 9.66" (245)) x 1.07 = window width – 9.70" (246) Height = window height – 4.43" (113) = window height – 4.85" (123)	<i>Width</i> ≥ 24 1/8" (613) (<i>hinge for widest clear opening</i>) <i>Width</i> ≥ 28 3/8" (721) (<i>hinge with wash mode and control bracket</i>) <i>Width</i> ≥ 17" (432) (<i>hinge with wash mode</i>) <i>Height</i> ≥ 40 13/16" (1037) and < 48" (1219); <i>Width</i> ≥ 28 3/8" (721) and < 31 1/2" (800) All other window heights		Width = window width + 1/2" (13) Height = window height + 1/2" (13)
	Width = window width – 5.81" (148) = window width – 6.10" (155) Height = window height – 4.43" (113) = window height – 4.85" (123)	<i>Width</i> ≥ 24 1/8" (613) (<i>hinge for widest clear opening</i>) <i>Width</i> ≥ 17" (432) (<i>hinge with wash mode</i>) <i>Height</i> ≥ 40 13/16" (1037) and < 48" (1219); <i>Width</i> ≥ 28 3/8" (721) and < 31 1/2" (800) All other window heights		Width = window width – 4.40" (112) Height = window height – 4.95" (126)

• 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. **Min. R.O.** (minimum rough opening) formulas provide minimum rough opening width and height dimensions. **Unobst. Gls.** (unobstructed glass) formulas provide dimensions for determining area available for passage of light.

• Refer to andersenwindows.com/measure for detailed instructions on how to properly measure for custom-size windows.