

400 SERIES TILT-WASH FULL-FRAME WINDOWS

Table of Sizes for Tilt-Wash Double-Hung Windows

Scale 1/8" (3) = 1'-0" (305) – 1:96

Window Dimension	1'-9 5/8" (549)	2'-1 5/8" (651)	2'-5 5/8" (752)	2'-7 5/8" (803)	2'-9 5/8" (854)	2'-11 5/8" (905)	3'-1 5/8" (956)	3'-5 5/8" (1057)	3'-9 5/8" (1159)
Minimum Rough Opening	1'-10 1/8" (562)	2'-2 1/8" (664)	2'-6 1/8" (765)	2'-8 1/8" (816)	2'-10 1/8" (867)	3'-0 1/8" (917)	3'-2 1/8" (968)	3'-6 1/8" (1070)	3'-10 1/8" (1172)
Unobstructed Glass (lower sash only)	15" (381)	19" (483)	23" (584)	25" (635)	27" (686)	29" (737)	31" (787)	35" (889)	39" (991)

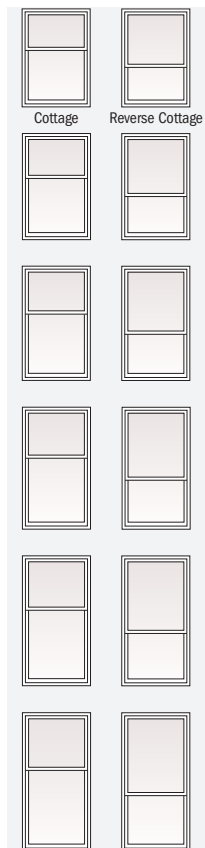
CUSTOM WIDTHS – 21 5/8" to 45 5/8"

CUSTOM HEIGHTS – 36 7/8" to 92 7/8"	21 5/8" (557)	23 1/8" (596)	25 1/8" (635)	27 1/8" (686)	29 1/8" (737)	31 1/8" (787)	33 1/8" (838)	35 1/8" (889)	37 1/8" (940)	39 1/8" (991)	41 1/8" (1042)	43 1/8" (1093)	45 5/8" (1159)
3'-0 7/8" (937)	TW18210	TW20210	TW24210	TW26210	TW28210	TW210210	TW30210	TW34210	TW38210				
3'-4 7/8" (1038)	TW1832	TW2032	TW2432	TW2632	TW2832	TW21032	TW3032	TW3432	TW3832				
3'-8 7/8" (1140)	TW1836	TW2036	TW2436	TW2636	TW2836	TW21036	TW3036	TW3436	TW3836				
4'-0 7/8" (1241)	TW18310	TW20310	TW24310	TW26310	TW28310	TW210310	TW30310	TW34310	TW38310				
4'-4 7/8" (1343)	TW1842	TW2042	TW2442	TW2642	TW2842	TW21042	TW3042	TW3442	TW3842				
4'-8 7/8" (1445)	TW1846	TW2046	TW2446	TW2646	TW2846	TW21046	TW3046 ⁰	TW3446 ⁰	TW3846 ⁰				
5'-0 7/8" (1546)	TW18410	TW20410	TW24410	TW26410	TW28410	TW210410 ⁰	TW30410 ⁰	TW34410 ⁰	TW38410 ⁰				
5'-4 7/8" (1648)	TW1852	TW2052	TW2452	TW2652	TW2852 ⁰	TW21052 ⁰	TW3052 ⁰	TW3452 ⁰	TW3852 ⁰				
5'-8 7/8" (1749)	TW1856	TW2056	TW2456	TW2656 ⁰	TW2856 ⁰	TW21056 ⁰	TW3056 ⁰	TW3456 ⁰	TW3856 ⁰				
6'-0 7/8" (1851)	TW18510	TW20510	TW24510 ⁰	TW26510 ⁰	TW28510 ⁰	TW210510 ⁰	TW30510 ⁰	TW34510 ⁰	TW38510 ⁰				
6'-4 7/8" (1953)	TW1862	TW2062	TW2462 ⁰	TW2662 ⁰	TW2862 ⁰	TW21062 ⁰	TW3062 ⁰	TW3462 ⁰	TW3862 ⁰				



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

Cottage or reverse cottage sash is available for the standard window heights shown below in standard widths.



Size tables for windows with cottage or reverse cottage sash are available at andersenwindows.com/sizing.

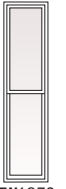
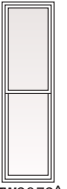
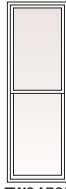
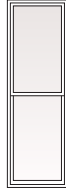
- Window Dimension always refers to outside frame-to-frame dimension.
- Minimum Rough Opening dimensions may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items.
- Dimensions in parentheses are in millimeters.
- Meets or exceeds clear opening area of 5.7 sq. ft. or 0.53 m², clear opening width of 20" (508) and clear opening height of 24" (610). See tables on pages 86-87.

continued on next page

400 SERIES TILT-WASH FULL-FRAME WINDOWS

Table of Sizes for Tilt-Wash Double-Hung Windows *(continued)*

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Unobstructed Glass (lower sash only)	15" (381)	19" (483)	23" (584)	25" (635)	27" (686)	29" (737)	31" (787)	35" (889)	39" (991)
CUSTOM WIDTHS – 21 5/8" to 45 5/8"									
7'-4 7/8" (2257) 7'-4 7/8" (2257) 39 15/16" (1014)									
	TW1872	TW2072 ^Ø	TW2472 ^Ø	TW2672 ^Ø	TW2872 ^Ø	TW21072 ^Ø	TW3072 ^Ø	TW3472 ^Ø	TW3872 ^Ø
7'-8 7/8" (2359) 7'-8 7/8" (2359) 41 15/16" (1065)									
	TW1876	TW2076 ^Ø	TW2476 ^Ø	TW2676 ^Ø	TW2876 ^Ø	TW21076 ^Ø	TW3076 ^Ø	TW3476 ^Ø	TW3876 ^Ø



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

Windows 7'-4 7/8" (2257) and 7'-8 7/8" (2359) in height have interior and exterior brackets. Interior brackets, located on both sides of the meeting rail, must be flipped up for proper product performance. Andersen® reinforced joining material must be used when joining windows 7'-4 7/8" (2257) and 7'-8 7/8" (2359) in height in vertical (ribbon) combinations.

• 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.

Ø Meets or exceeds 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).

400 SERIES TILT-WASH FULL-FRAME WINDOWS



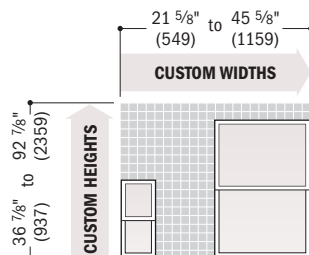
Custom Sizes and Specification Formulas



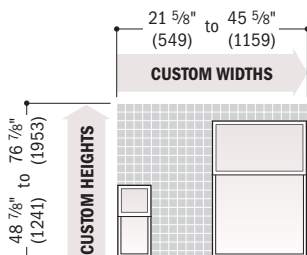
Available in $\frac{1}{8}$ " (3) increments between minimum and maximum widths and heights. Windows can also be custom sized to match standard sizes ending in $\frac{1}{16}$ " (1.5). Some restrictions apply; contact your Andersen supplier. For minimum rough opening dimensions for joined windows, see specific joining instruction guides. Measurement guide for custom-size windows can be found at andersenwindows.com/measure.

Tilt-Wash Double-Hung Windows

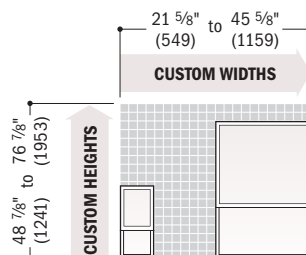
Equal



Cottage



Reverse Cottage



Clear Opening 	Width = window width - 1.852" (47) x 2 <i>Contact your Andersen supplier for clear opening height.</i>	Minimum R.O. 	Width = window width + $\frac{1}{2}$ " (51) Height = window height + 0"
Vent Opening 	<i>Vent opening formulas are dependent on window size; contact your Andersen supplier.</i>	Unobst. Glass 	Width = window width - 3.376" (86) Height: Upper Sash = upper sash height - 3.035" (77) Lower Sash = lower sash height - 3.831" (97)

• **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. **Unobst. Glass** (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.
 • Dimensions in parentheses are in millimeters.