

400 SERIES TILT-WASH DOUBLE-HUNG FULL-FRAME WINDOWS



Table of Tilt-Wash Double-Hung Window Sizes

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)



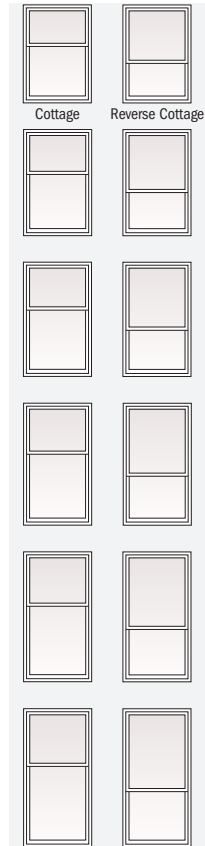
CUSTOM WIDTHS – 21 5/8" to 45 5/8"									
3'-0 7/8" (937)	TW18210	TW20210	TW24210	TW26210	TW28210	TW210210	TW30210	TW34210	TW38210
3'-4 7/8" (1038)	TW1832	TW2032	TW2432	TW2632	TW2832	TW21032	TW3032	TW3432	TW3832
3'-8 7/8" (1140)	TW1836	TW2036	TW2436	TW2636	TW2836	TW21036	TW3036	TW3436	TW3836
4'-0 7/8" (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 [◊]	TW3446 [◊]	TW3846 [◊]
5'-0 7/8" (1546)	TW18410	TW20410	TW24410	TW26410	TW28410	TW210410 [◊]	TW30410 [◊]	TW34410 [◊]	TW38410 [◊]
5'-4 7/8" (1648)	TW1852	TW2052	TW2452	TW2652	TW2852 [◊]	TW21052 [◊]	TW3052 [◊]	TW3452 [◊]	TW3852 [◊]
5'-8 7/8" (1749)	TW1856	TW2056	TW2456	TW2656 [◊]	TW2856 [◊]	TW21056 [◊]	TW3056 [◊]	TW3456 [◊]	TW3856 [◊]
6'-0 7/8" (1851)	TW18510	TW20510	TW24510 [◊]	TW26510 [◊]	TW28510 [◊]	TW210510 [◊]	TW30510 [◊]	TW34510 [◊]	TW38510 [◊]
6'-4 7/8" (1953)	TW1862	TW2062	TW2462 [◊]	TW2662 [◊]	TW2862 [◊]	TW21062 [◊]	TW3062 [◊]	TW3462 [◊]	TW3862 [◊]

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

Cottage or reverse cottage sash ratio available for heights shown below in all widths.

CUSTOM WIDTHS – 21 5/8" to 45 5/8"

CUSTOM HEIGHTS – 48 7/8" to 76 7/8"



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.
- ◊ 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).

continued on next page

400 SERIES TILT-WASH DOUBLE-HUNG FULL-FRAME WINDOWS



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

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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"

Window Dimension	21 5/8" (549)	22 1/8" (562)	22 7/8" (575)	23 3/8" (588)	23 7/8" (601)	24 3/4" (614)	25 1/8" (627)	25 7/8" (640)	26 3/4" (653)	27 1/8" (666)	27 7/8" (679)	28 3/4" (692)	29 1/8" (705)	29 7/8" (718)	30 3/4" (731)	31 1/8" (744)	31 7/8" (757)	32 3/4" (770)	33 1/8" (783)	33 7/8" (796)	34 3/4" (809)	35 1/8" (822)	35 7/8" (835)	36 3/4" (848)	37 1/8" (861)	37 7/8" (874)	38 3/4" (887)	39 1/8" (900)	39 7/8" (913)	40 3/4" (926)	41 1/8" (939)	41 7/8" (952)	42 3/4" (965)	43 1/8" (978)	43 7/8" (991)	44 3/4" (1004)	45 1/8" (1017)	45 7/8" (1030)																																																																																																																																																																																		
Minimum Rough Opening	2'-2 1/8" (664)	2'-2 3/4" (677)	2'-3 1/8" (690)	2'-3 5/8" (703)	2'-4 1/8" (716)	2'-4 5/8" (729)	2'-5 1/8" (742)	2'-5 5/8" (755)	2'-6 1/8" (768)	2'-6 5/8" (781)	2'-7 1/8" (794)	2'-7 5/8" (807)	2'-8 1/8" (820)	2'-8 5/8" (833)	2'-9 1/8" (846)	2'-9 5/8" (859)	2'-10 1/8" (872)	2'-10 5/8" (885)	2'-11 1/8" (898)	2'-11 5/8" (911)	2'-12 1/8" (924)	2'-12 5/8" (937)	2'-13 1/8" (950)	2'-13 5/8" (963)	2'-14 1/8" (976)	2'-14 5/8" (989)	2'-15 1/8" (1002)	2'-15 5/8" (1015)	2'-16 1/8" (1028)	2'-16 5/8" (1041)	2'-17 1/8" (1054)	2'-17 5/8" (1067)	2'-18 1/8" (1080)	2'-18 5/8" (1093)	2'-19 1/8" (1106)	2'-19 5/8" (1119)	2'-20 1/8" (1132)	2'-20 5/8" (1145)	2'-21 1/8" (1158)	2'-21 5/8" (1171)	2'-22 1/8" (1184)	2'-22 5/8" (1197)	2'-23 1/8" (1210)	2'-23 5/8" (1223)	2'-24 1/8" (1236)	2'-24 5/8" (1249)	2'-25 1/8" (1262)	2'-25 5/8" (1275)	2'-26 1/8" (1288)	2'-26 5/8" (1301)	2'-27 1/8" (1314)	2'-27 5/8" (1327)	2'-28 1/8" (1340)	2'-28 5/8" (1353)	2'-29 1/8" (1366)	2'-29 5/8" (1379)	2'-30 1/8" (1392)	2'-30 5/8" (1405)	2'-31 1/8" (1418)	2'-31 5/8" (1431)	2'-32 1/8" (1444)	2'-32 5/8" (1457)	2'-33 1/8" (1470)	2'-33 5/8" (1483)	2'-34 1/8" (1496)	2'-34 5/8" (1509)	2'-35 1/8" (1522)	2'-35 5/8" (1535)	2'-36 1/8" (1548)	2'-36 5/8" (1561)	2'-37 1/8" (1574)	2'-37 5/8" (1587)	2'-38 1/8" (1600)	2'-38 5/8" (1613)	2'-39 1/8" (1626)	2'-39 5/8" (1639)	2'-40 1/8" (1652)	2'-40 5/8" (1665)	2'-41 1/8" (1678)	2'-41 5/8" (1691)	2'-42 1/8" (1704)	2'-42 5/8" (1717)	2'-43 1/8" (1730)	2'-43 5/8" (1743)	2'-44 1/8" (1756)	2'-44 5/8" (1769)	2'-45 1/8" (1782)	2'-45 5/8" (1795)																																																																																																																																
Unobstructed Glass (lower sash only)	15" (381)	15 1/8" (386)	15 1/4" (391)	15 3/8" (396)	15 3/4" (401)	15 7/8" (406)	16" (411)	16 1/8" (416)	16 1/4" (421)	16 3/8" (426)	16 3/4" (431)	16 7/8" (436)	16 7/8" (441)	17" (446)	17 1/8" (451)	17 1/4" (456)	17 3/8" (461)	17 3/4" (466)	17 7/8" (471)	17 7/8" (476)	18" (481)	18 1/8" (486)	18 1/4" (491)	18 3/8" (496)	18 3/4" (501)	18 7/8" (506)	18 7/8" (511)	19" (516)	19 1/8" (521)	19 1/4" (526)	19 3/8" (531)	19 3/4" (536)	19 7/8" (541)	19 7/8" (546)	20" (551)	20 1/8" (556)	20 1/4" (561)	20 3/8" (566)	20 3/4" (571)	20 7/8" (576)	20 7/8" (581)	21" (586)	21 1/8" (591)	21 1/4" (596)	21 3/8" (601)	21 3/4" (606)	21 7/8" (611)	21 7/8" (616)	22" (621)	22 1/8" (626)	22 1/4" (631)	22 3/8" (636)	22 3/4" (641)	22 7/8" (646)	22 7/8" (651)	23" (656)	23 1/8" (661)	23 1/4" (666)	23 3/8" (671)	23 3/4" (676)	23 7/8" (681)	23 7/8" (686)	24" (691)	24 1/8" (696)	24 1/4" (701)	24 3/8" (706)	24 3/4" (711)	24 7/8" (716)	24 7/8" (721)	25" (726)	25 1/8" (731)	25 1/4" (736)	25 3/8" (741)	25 3/4" (746)	25 7/8" (751)	25 7/8" (756)	26" (761)	26 1/8" (766)	26 1/4" (771)	26 3/8" (776)	26 3/4" (781)	26 7/8" (786)	26 7/8" (791)	27" (796)	27 1/8" (801)	27 1/4" (806)	27 3/8" (811)	27 3/4" (816)	27 7/8" (821)	27 7/8" (826)	28" (831)	28 1/8" (836)	28 1/4" (841)	28 3/8" (846)	28 3/4" (851)	28 7/8" (856)	28 7/8" (861)	29" (866)	29 1/8" (871)	29 1/4" (876)	29 3/8" (881)	29 3/4" (886)	29 7/8" (891)	29 7/8" (896)	30" (901)	30 1/8" (906)	30 1/4" (911)	30 3/8" (916)	30 3/4" (921)	30 7/8" (926)	30 7/8" (931)	31" (936)	31 1/8" (941)	31 1/4" (946)	31 3/8" (951)	31 3/4" (956)	31 7/8" (961)	31 7/8" (966)	32" (971)	32 1/8" (976)	32 1/4" (981)	32 3/8" (986)	32 3/4" (991)	32 7/8" (996)	32 7/8" (1001)	33" (1006)	33 1/8" (1011)	33 1/4" (1016)	33 3/8" (1021)	33 3/4" (1026)	33 7/8" (1031)	33 7/8" (1036)	34" (1041)	34 1/8" (1046)	34 1/4" (1051)	34 3/8" (1056)	34 3/4" (1061)	34 7/8" (1066)	34 7/8" (1071)	35" (1076)	35 1/8" (1081)	35 1/4" (1086)	35 3/8" (1091)	35 3/4" (1096)	35 7/8" (1101)	35 7/8" (1106)	36" (1111)	36 1/8" (1116)	36 1/4" (1121)	36 3/8" (1126)	36 3/4" (1131)	36 7/8" (1136)	36 7/8" (1141)	37" (1146)	37 1/8" (1151)	37 1/4" (1156)	37 3/8" (1161)	37 3/4" (1166)	37 7/8" (1171)	37 7/8" (1176)	38" (1181)	38 1/8" (1186)	38 1/4" (1191)	38 3/8" (1196)	38 3/4" (1201)	38 7/8" (1206)	38 7/8" (1211)	39" (1216)	39 1/8" (1221)	39 1/4" (1226)	39 3/8" (1231)	39 3/4" (1236)	39 7/8" (1241)	39 7/8" (1246)	40" (1251)	40 1/8" (1256)	40 1/4" (1261)	40 3/8" (1266)	40 3/4" (1271)	40 7/8" (1276)	40 7/8" (1281)	41" (1286)	41 1/8" (1291)	41 1/4" (1296)	41 3/8" (1301)	41 3/4" (1306)	41 7/8" (1311)	41 7/8" (1316)	42" (1321)	42 1/8" (1326)	42 1/4" (1331)	42 3/8" (1336)	42 3/4" (1341)	42 7/8" (1346)	42 7/8" (1351)	43" (1356)	43 1/8" (1361)	43 1/4" (1366)	43 3/8" (1371)	43 3/4" (1376)	43 7/8" (1381)	43 7/8" (1386)	44" (1391)	44 1/8" (1396)	44 1/4" (1401)	44 3/8" (1406)	44 3/4" (1411)	44 7/8" (1416)	44 7/8" (1421)	45" (1426)	45 1/8" (1431)	45 1/4" (1436)	45 3/8" (1441)	45 3/4" (1446)	45 7/8" (1451)	45 7/8" (1456)

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

Windows 7'-4 7/8" (2257) and 7'-8 7/8" (2359) high 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 materials must be used when vertically joining 7'-4 7/8" (2257) and 7'-8 7/8" (2359) height 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.
- ◊ 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).

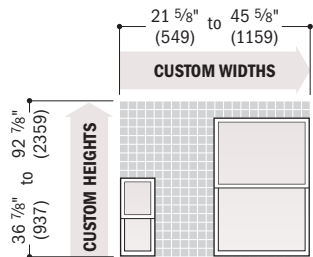
Custom Sizes and Specification Formulas



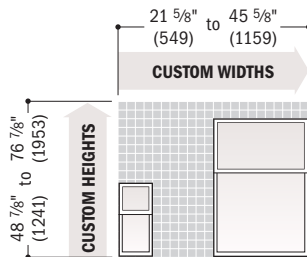
Available in 1/8" (3) increments between minimum and maximum widths and heights. Some restrictions apply; contact your Andersen supplier. For minimum rough opening dimensions for joined windows, see specific joining instruction guides. Measurement guide for custom-size windows can be found at andersenwindows.com/measure.

Tilt-Wash Double-Hung Windows

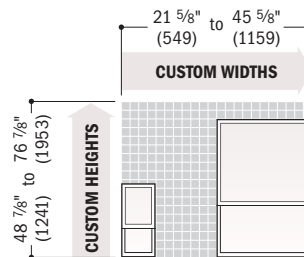
Equal



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 + 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)

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