

DOUBLE-HUNG WINDOWS

Table of Double-Hung Window Sizes

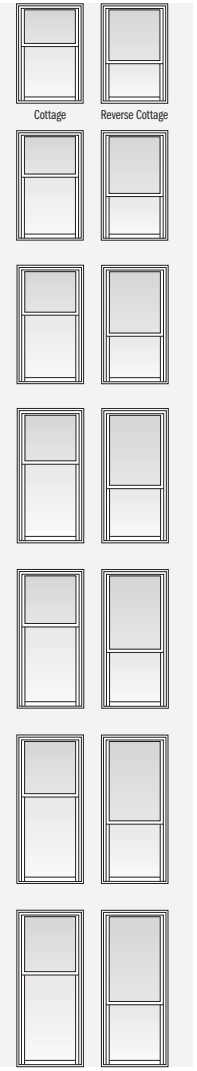
Scale 1/8" = 12" - 1:96

Exterior J-Channel Dimension	21 1/4"	23 3/4"	27 1/4"	31 1/4"	35 1/4"	37 1/4"	39 1/4"	43 1/4"	47 1/4"
Window Dimension	19 3/4"	21 3/4"	25 3/4"	29 3/4"	33 3/4"	35 3/4"	37 3/4"	41 3/4"	45 3/4"
Minimum Rough Opening	20 1/4"	22 1/4"	26 1/4"	30 1/4"	34 1/4"	36 1/4"	38 1/4"	42 1/4"	46 1/4"
Unobstructed Glass (lower sash only)	13 9/16"	15 9/16"	19 9/16"	23 9/16"	27 9/16"	29 9/16"	31 9/16"	35 9/16"	39 9/16"

CUSTOM HEIGHTS - 24" to 84"	CUSTOM WIDTHS - 16" to 52"								
	16210	18210	20210	24210	28210	210210	30210	34210	38210
38 1/4"									
42 1/4"	1632	1832	2032	2432	2832	21032	3032	3432	3832
50 1/4"	16310	18310	20310	24310	28310	210310	30310	34310	38310
54 1/4"	1642	1842	2042	2442	2842	21042	3042	3442	3842
58 1/4"	1646	1846	2046	2446	2846	21046	3046 ^o	3446 ^o	3846 ^o
66 1/4"	1652	1852	2052	2452	2852 ^o	21052 ^o	3052 ^o	3452 ^o	3852 ^o
70 1/4"	1656	1856	2056	2456	2856 ^o	21056	3056 ^o	3456 ^o	3856 ^o
74 1/4"	16510	18510	20510	24510 ^o	28510 ^o	210510 ^o	30510 ^o	34510 ^o	38510 ^o
78 1/4"	1662	1862	2062	2462 ^o	2862 ^o	21062 ^o	3062 ^o	3462 ^o	3862 ^o

Cottage or reverse cottage sash ratio available. Check rail is offset 6" up (cottage) or 6" down (reverse cottage) from equal sash location.

Cottage (Reverse Oriel):
CUSTOM WIDTHS - 17 3/4" to 48"
CUSTOM HEIGHTS - 42" to 76 3/4"
 Reverse Cottage (Oriel):
CUSTOM WIDTHS - 17 3/4" to 48"
CUSTOM HEIGHTS - 42" to 76 3/4"



• "Window Dimension" always refers to inside 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.
 ◊ Meet or exceed clear opening area of 5.7 sq.ft., clear opening width of 20" and clear opening height of 24".

Custom-size windows are available in 1/4" increments.

Double-hung window includes a nailing flange and J-channel.

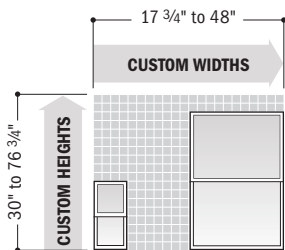
For construction site convenience, the upper and lower sash can be removed for drywall pass-through.





Grille pattern and number of lights varies with window size.

Custom Sizes & Specification Formulas

Available in 1/4" increments between minimum and maximum widths and heights shown. Some restrictions apply.

Double-Hung Windows



Clear Opening 	<p>Width = window width - 3.5625"</p> <p>Height = (window height + 2) - 3.9375"</p>	Minimum R.O. 	<p>Width = window width + 1/2"</p> <p>Height = window height + 1/2"</p>
Vent Opening 	<p>Width = window width - 3.5625"</p> <p>Height = (window height + 2) - 3.9375"</p>	Unobstr. Glass 	<p>Width = window width - 6.1875"</p> <p>Height = (window height + 2) - 3.1875"</p>

• **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.