



**Sizes for V1 Series Single-Hung Windows with Masonry Flange**

FORMERLY 2110 SERIES SINGLE-HUNG WINDOW - WITH MASONRY FLANGE  
SINGLE-HUNG - MODEL 2111B - STANDARD WINDOW SIZES

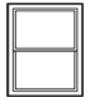
ACTUAL BUCK SIZE			TTT FLANGE SIZE			NOMINAL SIZE	CLEAR OPENING SIZE			CLEAR OPENING	VISIBLE GLASS PER OPENING			TOTAL VISIBLE GLASS
WIDTH	HEIGHT		WIDTH	HEIGHT		W x H	WIDTH	HEIGHT		SQ. FT.	WIDTH	HEIGHT		SQ. FT.
18	x	24 7/8	19	x	25 7/8	1 x 2	13 11/16	x	8 9/16	0.8	13 11/16	x	9 9/16	1.82
18	x	37 1/4	19	x	38 1/4	1 x 3	13 11/16	x	14 3/4	1.4	13 11/16	x	15 3/4	2.99
18	x	49 1/2	19	x	50 1/2	1 x 4	13 11/16	x	20 7/8	2.0	13 11/16	x	21 7/8	4.16
18	x	61 7/8	19	x	62 7/8	1 x 5	13 11/16	x	27 1/16	2.6	13 11/16	x	28 1/16	5.33
25 3/8	x	24 7/8	26 3/8	x	25 7/8	1/2 3 x 2	21 1/16	x	8 9/16	1.3	21 1/16	x	9 9/16	2.80
25 3/8	x	37 1/4	26 3/8	x	38 1/4	1/2 3 x 3	21 1/16	x	14 3/4	2.2	21 1/16	x	15 3/4	4.61
25 3/8	x	49 1/2	26 3/8	x	50 1/2	1/2 3 x 4	21 1/16	x	20 7/8	3.1	21 1/16	x	21 7/8	6.40
25 3/8	x	61 7/8	26 3/8	x	62 7/8	1/2 3 x 5	21 1/16	x	27 1/16	4.0	21 1/16	x	28 1/16	8.21
35 7/8	x	24 7/8	36 7/8	x	25 7/8	2 x 2	31 9/16	x	8 9/16	1.9	31 9/16	x	9 9/16	4.19
35 7/8	x	37 1/4	36 7/8	x	38 1/4	2 x 3	31 9/16	x	14 3/4	3.2	31 9/16	x	15 3/4	6.90
35 7/8	x	49 1/2	36 7/8	x	50 1/2	2 x 4	31 9/16	x	20 7/8	4.6	31 9/16	x	21 7/8	9.59
<b>35 7/8</b>	<b>x</b>	<b>61 7/8</b>	<b>36 7/8</b>	<b>x</b>	<b>62 7/8</b>	<b>2 x 5</b>	<b>31 9/16</b>	<b>x</b>	<b>27 1/16</b>	<b>5.9</b>	<b>31 9/16</b>	<b>x</b>	<b>28 1/16</b>	<b>12.30</b>
52	x	24 7/8	53	x	25 7/8	3 x 2	47 11/16	x	8 9/16	2.8	47 11/16	x	9 9/16	6.33
52	x	37 1/4	53	x	38 1/4	3 x 3	47 11/16	x	14 3/4	4.9	47 11/16	x	15 3/4	10.43
52	x	49 1/2	53	x	50 1/2	3 x 4	47 11/16	x	20 7/8	6.9	47 11/16	x	21 7/8	14.49
52	x	61 7/8	53	x	62 7/8	3 x 5	47 11/16	x	27 1/16	9.0	47 11/16	x	28 1/16	18.59

Clear Opening Sizes are for one opening.

Visible Glass Sizes are for one lite of glass. Total Visible Glass is combined area of all lites of glass in entire unit.

To calculate actual glass size per opening, add 7/8" to the Visible Glass Width and add 7/8" to the Visible Glass Height.

^ **BOLD** type indicates window meets or exceeds clear opening area of 5.7 sq. ft., clear opening width of 20" and clear opening height of 24".



**Custom Sizes for V1 Series Single-Hung Windows with Masonry Flange**

FORMERLY 2110 SERIES SINGLE-HUNG WINDOW - WITH MASONRY FLANGE  
SINGLE-HUNG - MODEL 2111C - CUSTOM WINDOW SIZES

ACTUAL BUCK WINDOW SIZE	MINIMUM	MAXIMUM
Window Width (WW)	17 1/2	52
Window Height (WH)	24	73
United Inch (UI)	41	124

Add 1" for Nailing Fin TTT flange width and height

Window can be ordered in 1/8" increments in width and 1/16" increments in height.

ACTUAL GLASS SIZE FORMULAS		
	WIDTH (GW)	HEIGHT (GH)
Per Opening	MROUND(WW - 3.438, 1/16)	MROUND((WH / 2)-2.00, 1/16)

VISIBLE GLASS FORMULAS		
	WIDTH (VW)	HEIGHT (VH)
Per Opening	GW - 0.875	GH - 0.875

VISIBLE GLASS SQUARE FOOT FORMULA	
For Entire Unit	VW * VH / 144 * 2

CLEAR OPENING FORMULAS		
FRAME HEIGHT <= to 67"		
BALANCER TYPE	WIDTH	HEIGHT
1 Continuous Force	WW - 4.3125	WH / 2 - 3.875
2 Continuous Force	WW - 4.3125	WH / 2 - 3.875
3 Continuous Force	WW - 4.3125	WH / 2 - 3.75
FRAME HEIGHT > 67" AND <= to 73"		
BALANCER TYPE	WIDTH	HEIGHT
1 Continuous Force	WW - 4.3125	WH / 2 - 3.875
2 Continuous Force	WW - 4.3125	WH / 2 - 5.250
3 Continuous Force	WW - 4.3125	WH / 2 - 6.500

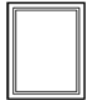
Number of balancers are based on unit size

CLEAR OPENING SIZE REFERENCE CHART																					
		ACTUAL WINDOW WIDTH																			
		17 1/2	20	22	24	26	28	30	32	34	35 3/4	36	38	40	42	44	46	48	50	52	
ACTUAL WINDOW HEIGHT	24																				
	30																				
	35																				
	40																				
	42																				
	44																				
	46																				
	48																				
	50																				
	52																				
	54																				
	56													2	2	2	2	2	2	2	2
	58													2	2	2	2	2	2	2	2
	60													2	2	2	2	2	2	2	2
62													2	2	2	2	2	2	2	2	
64													2	2	2	2	2	2	3	3	
66													2	2	2	2	2	3	3	3	
68													2	2	2	2	2	3	3	3	
70													2	2	2	2	3	3	3	3	
72													2	2	2	2	3	3	3	3	
73													2	2	2	2	3	3	3	3	

**2** Meet or exceed clear opening area of 5.7 sq. ft., clear opening width of 20" and clear opening height of 24" with 2 balancers.

**3** Meet or exceed clear opening area of 5.7 sq. ft., clear opening width of 20" and clear opening height of 24" with 3 balancers.

For other sizes please refer to formulas above.



**Custom Sizes for V1 Series Single-Hung Picture Windows with Masonry Flange**

FORMERLY 2110 SERIES SINGLE-HUNG WINDOW - WITH MASONRY FLANGE  
SINGLE PICTURE - MODEL 2130 - CUSTOM WINDOW SIZES

ACTUAL WINDOW SIZE	MINIMUM	MAXIMUM
Window Width (WW)	12 1/4	96
Window Height (WH)	12 1/4	96
United Inch (UI)	24 1/2	144

Add 1" to width & height for TTT masonry flange unit dimensions.  
Window can be ordered in 1/8" increments.

ACTUAL GLASS SIZE FORMULAS		
	WIDTH (GW)	HEIGHT (GH)
Per Glass	$MROUND(WW - 3.438, 1/16)$	$MROUND(WH - 3.438, 1/16)$

VISIBLE GLASS FORMULAS		
	WIDTH (VW)	HEIGHT (VH)
Per Glass	$GW - 0.875$	$GH - 0.875$

VISIBLE GLASS SQUARE FOOT FORMULA	
For Entire Unit	$VW * VH / 144$

**Custom Sizes for V1 Series Single-Hung Half Circle Windows with Masonry Flange**

FORMERLY 2110 SERIES SINGLE-HUNG WINDOW - WITH MASONRY FLANGE  
HALF CIRCLE - MODEL 2135 - CUSTOM WINDOW SIZES



ACTUAL WINDOW SIZE	MINIMUM	MAXIMUM
Window Width (WW)	24	72
Window Height (WH)	12	37 3/4
United Inch (UI)	36	109 3/4

Add 1" to width & height for TTT masonry flange unit dimensions.  
Window can be ordered in 1/8" increments.

ACTUAL GLASS SIZE FORMULAS		
	WIDTH (GW)	HEIGHT (GH)
Per Glass	$MROUND(WW - 3.438, 1/16)$	$MROUND((WH - 3.438) / 2, 1/16)$

VISIBLE GLASS FORMULAS		
	WIDTH (VW)	HEIGHT (VH)
Per Glass	$GW - 0.875$	$GH - 0.875$

VISIBLE GLASS SQUARE FOOT FORMULA	
For Entire Unit	$VW * VH / 144$