

**Sizes for V1 Series Coastal Watch Single-Hung Windows with Nailing Flange - Approved for HVHZ**  
 FORMERLY 2127 SERIES IMPACT RESISTANT SINGLE-HUNG WINDOW - WITH NAILING FIN  
 SINGLE-HUNG - MODEL 2127IMPACTFIN - STANDARD WINDOW SIZES

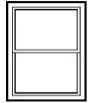
NOMINAL WINDOW SIZE	ACTUAL WINDOW SIZE (FRAME TTT)		ROUGH OPENING SIZE		CLEAR OPENING SIZE		CLEAR OPENING SQ. FT.	VISIBLE GLASS PER OPENING		TOTAL VISIBLE GLASS SQ. FT.
	WIDTH	HEIGHT	WIDTH	HEIGHT	WIDTH	HEIGHT		WIDTH	HEIGHT	
2/0 x 3/0	23 3/8	x 35 1/4	23 7/8	x 35 3/4	19 1/16	x 11 15/16	1.58	19 1/16	x 14 13/16	3.92
2/0 x 3/8	23 3/8	x 43 1/4	23 7/8	x 43 3/4	19 1/16	x 15 15/16	2.11	19 1/16	x 18 13/16	4.98
2/0 x 4/0	23 3/8	x 47 1/4	23 7/8	x 47 3/4	19 1/16	x 16 11/16	2.21	19 1/16	x 20 13/16	5.51
2/0 x 4/4	23 3/8	x 51 1/4	23 7/8	x 51 3/4	19 1/16	x 18 11/16	2.48	19 1/16	x 22 13/16	6.04
2/0 x 4/6	23 3/8	x 53 1/4	23 7/8	x 53 3/4	19 1/16	x 19 11/16	2.61	19 1/16	x 23 13/16	6.30
2/0 x 5/0	23 3/8	x 59 1/4	23 7/8	x 59 3/4	19 1/16	x 22 11/16	3.01	19 1/16	x 26 13/16	7.10
2/0 x 6/0	23 3/8	x 71 1/4	23 7/8	x 71 3/4	19 1/16	x 28 11/16	3.80	19 1/16	x 32 13/16	8.69
2/4 x 3/0	27 3/8	x 35 1/4	27 7/8	x 35 3/4	23 1/16	x 11 15/16	1.91	23 1/16	x 14 13/16	4.74
2/4 x 3/8	27 3/8	x 43 1/4	27 7/8	x 43 3/4	23 1/16	x 14 11/16	2.36	23 1/16	x 18 13/16	6.03
2/4 x 4/0	27 3/8	x 47 1/4	27 7/8	x 47 3/4	23 1/16	x 16 11/16	2.68	23 1/16	x 20 13/16	6.67
2/4 x 4/4	27 3/8	x 51 1/4	27 7/8	x 51 3/4	23 1/16	x 18 11/16	3.00	23 1/16	x 22 13/16	7.31
2/4 x 4/6	27 3/8	x 53 1/4	27 7/8	x 53 3/4	23 1/16	x 19 11/16	3.16	23 1/16	x 23 13/16	7.63
2/4 x 5/0	27 3/8	x 59 1/4	27 7/8	x 59 3/4	23 1/16	x 22 11/16	3.64	23 1/16	x 26 13/16	8.59
2/4 x 6/0	27 3/8	x 71 1/4	27 7/8	x 71 3/4	23 1/16	x 28 11/16	4.60	23 1/16	x 32 13/16	10.51
2/8 x 3/0	31 3/8	x 35 1/4	31 7/8	x 35 3/4	27 1/16	x 10 11/16	2.01	27 1/16	x 14 13/16	5.57
2/8 x 3/8	31 3/8	x 43 1/4	31 7/8	x 43 3/4	27 1/16	x 14 11/16	2.77	27 1/16	x 18 13/16	7.07
2/8 x 4/0	31 3/8	x 47 1/4	31 7/8	x 47 3/4	27 1/16	x 16 11/16	3.14	27 1/16	x 20 13/16	7.82
2/8 x 4/4	31 3/8	x 51 1/4	31 7/8	x 51 3/4	27 1/16	x 18 11/16	3.52	27 1/16	x 22 13/16	8.57
2/8 x 4/6	31 3/8	x 53 1/4	31 7/8	x 53 3/4	27 1/16	x 19 11/16	3.71	27 1/16	x 23 13/16	8.95
2/8 x 5/0	31 3/8	x 59 1/4	31 7/8	x 59 3/4	27 1/16	x 22 11/16	4.27	27 1/16	x 26 13/16	10.08
2/8 x 6/0	31 3/8	x 71 1/4	31 7/8	x 71 3/4	27 1/16	x 27 1/2	5.17	27 1/16	x 32 13/16	12.33
3/0 x 3/0	35 3/8	x 35 1/4	35 7/8	x 35 3/4	31 1/16	x 10 11/16	2.31	31 1/16	x 14 13/16	6.39
3/0 x 3/8	35 3/8	x 43 1/4	35 7/8	x 43 3/4	31 1/16	x 14 11/16	3.17	31 1/16	x 18 13/16	8.12
3/0 x 4/0	35 3/8	x 47 1/4	35 7/8	x 47 3/4	31 1/16	x 16 11/16	3.61	31 1/16	x 20 13/16	8.98
3/0 x 4/4	35 3/8	x 51 1/4	35 7/8	x 51 3/4	31 1/16	x 18 11/16	4.04	31 1/16	x 22 13/16	9.84
3/0 x 4/6	35 3/8	x 53 1/4	35 7/8	x 53 3/4	31 1/16	x 19 11/16	4.25	31 1/16	x 23 13/16	10.27
3/0 x 5/0	35 3/8	x 59 1/4	35 7/8	x 59 3/4	31 1/16	x 22 11/16	4.90	31 1/16	x 26 13/16	11.57
<b>3/0 x 6/0^</b>	<b>35 3/8</b>	<b>x 71 1/4</b>	<b>35 7/8</b>	<b>x 71 3/4</b>	<b>31 1/16</b>	<b>x 27 1/2</b>	<b>5.93</b>	<b>31 1/16</b>	<b>x 32 13/16</b>	<b>14.16</b>
3/4 x 3/0	39 3/8	x 35 1/4	39 7/8	x 35 3/4	35 1/16	x 10 11/16	2.61	35 1/16	x 14 13/16	7.21
3/4 x 3/8	39 3/8	x 43 1/4	39 7/8	x 43 3/4	35 1/16	x 14 11/16	3.58	35 1/16	x 18 13/16	9.16
3/4 x 4/0	39 3/8	x 47 1/4	39 7/8	x 47 3/4	35 1/16	x 16 11/16	4.07	35 1/16	x 20 13/16	10.14
3/4 x 4/4	39 3/8	x 51 1/4	39 7/8	x 51 3/4	35 1/16	x 18 11/16	4.56	35 1/16	x 22 13/16	11.11
3/4 x 4/6	39 3/8	x 53 1/4	39 7/8	x 53 3/4	35 1/16	x 19 11/16	4.80	35 1/16	x 23 13/16	11.60
3/4 x 5/0	39 3/8	x 59 1/4	39 7/8	x 59 3/4	35 1/16	x 21 1/2	5.23	35 1/16	x 26 13/16	13.06
<b>3/4 x 6/0^</b>	<b>39 3/8</b>	<b>x 71 1/4</b>	<b>39 7/8</b>	<b>x 71 3/4</b>	<b>35 1/16</b>	<b>x 27 1/2</b>	<b>6.69</b>	<b>35 1/16</b>	<b>x 32 13/16</b>	<b>15.98</b>
3/8 x 3/0	43 3/8	x 35 1/4	43 7/8	x 35 3/4	39 1/16	x 10 11/16	2.91	39 1/16	x 14 13/16	8.04
3/8 x 3/8	43 3/8	x 43 1/4	43 7/8	x 43 3/4	39 1/16	x 14 11/16	3.99	39 1/16	x 18 13/16	10.21
3/8 x 4/0	43 3/8	x 47 1/4	43 7/8	x 47 3/4	39 1/16	x 16 11/16	4.53	39 1/16	x 20 13/16	11.29
3/8 x 4/4	43 3/8	x 51 1/4	43 7/8	x 51 3/4	39 1/16	x 17 1/2	4.75	39 1/16	x 22 13/16	12.38
3/8 x 4/6	43 3/8	x 53 1/4	43 7/8	x 53 3/4	39 1/16	x 18 1/2	5.02	39 1/16	x 23 13/16	12.92
3/8 x 5/0	43 3/8	x 59 1/4	43 7/8	x 59 3/4	39 1/16	x 21 1/2	5.83	39 1/16	x 26 13/16	14.55
<b>3/8 x 6/0^</b>	<b>43 3/8</b>	<b>x 71 1/4</b>	<b>43 7/8</b>	<b>x 71 3/4</b>	<b>39 1/16</b>	<b>x 27 1/2</b>	<b>7.46</b>	<b>39 1/16</b>	<b>x 32 13/16</b>	<b>17.80</b>

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 may meet clear opening/egress criteria of minimum 20" net opening width, minimum 24" net opening height and minimum 5.7 sq. ft. opening area. See following page for custom window sizes.



## Sizes for V1 Series Coastal Watch Single-Hung Windows with Masonry Flange - Approved for HVHZ

FORMERLY 2127 SERIES IMPACT RESISTANT SINGLE-HUNG WINDOW - WITH MASONRY FLANGE  
SINGLE-HUNG - MODEL 2127IMPACTFL - STANDARD WINDOW SIZES

NOMINAL (BLOCK) SIZE	ACTUAL WINDOW SIZE		EXTERIOR DIMENSION INCL MASONRY FLANGE		ROUGH OPENING SIZE		CLEAR OPENING SIZE		CLEAR OPENING SQ. FT.	VISIBLE GLASS PER OPENING		TOTAL VISIBLE GLASS SQ. FT.
	WIDTH	HEIGHT	WIDTH	HEIGHT	WIDTH	HEIGHT	WIDTH	HEIGHT		WIDTH	HEIGHT	
1 x 2	18	x 24 7/8	19	x 25 7/8	18 1/2	x 25 3/8	13 11/16	x 6 3/4	0.64	13 11/16	x 9 5/8	1.83
1 x 3	18	x 37 1/4	19	x 38 1/4	18 1/2	x 37 3/4	13 11/16	x 12 15/16	1.23	13 11/16	x 15 13/16	3.01
1 x 4	18	x 49 1/2	19	x 50 1/2	18 1/2	x 50	13 11/16	x 19 1/16	1.81	13 11/16	x 21 15/16	4.17
1 x 5	18	x 61 7/8	19	x 62 7/8	18 1/2	x 62 3/8	13 11/16	x 24	2.28	13 11/16	x 28 1/8	5.35
1 x 6	18	x 72 1/8	19	x 73 1/8	18 1/2	x 72 5/8	13 11/16	x 29 1/8	2.77	13 11/16	x 33 1/4	6.32
1/2 3 x 2	25 3/8	x 24 7/8	26 3/8	x 25 7/8	25 7/8	x 25 3/8	21 1/16	x 6 3/4	0.99	21 1/16	x 9 5/8	2.82
1/2 3 x 3	25 3/8	x 37 1/4	26 3/8	x 38 1/4	25 7/8	x 37 3/4	21 1/16	x 12 15/16	1.89	21 1/16	x 15 13/16	4.63
1/2 3 x 4	25 3/8	x 49 1/2	26 3/8	x 50 1/2	25 7/8	x 50	21 1/16	x 17 13/16	2.61	21 1/16	x 21 15/16	6.42
1/2 3 x 5	25 3/8	x 61 7/8	26 3/8	x 62 7/8	25 7/8	x 62 3/8	21 1/16	x 24	3.51	21 1/16	x 28 1/8	8.23
1/2 3 x 6	25 3/8	x 72 1/8	26 3/8	x 73 1/8	25 7/8	x 72 5/8	21 1/16	x 29 1/8	4.26	21 1/16	x 33 1/4	9.73
2 x 2	35 7/8	x 24 7/8	36 7/8	x 25 7/8	36 3/8	x 25 3/8	31 9/16	x 6 3/4	1.48	31 9/16	x 9 5/8	4.22
2 x 3	35 7/8	x 37 1/4	36 7/8	x 38 1/4	36 3/8	x 37 3/4	31 9/16	x 11 11/16	2.57	31 9/16	x 15 13/16	6.93
2 x 4	35 7/8	x 49 1/2	36 7/8	x 50 1/2	36 3/8	x 50	31 9/16	x 17 13/16	3.91	31 9/16	x 21 15/16	9.62
2 x 5 <sup>^</sup>	35 7/8	x 61 7/8	36 7/8	x 62 7/8	36 3/8	x 62 3/8	31 9/16	x 26 1/4	5.75	31 9/16	x 28 1/8	12.33
2 x 6 <sup>^</sup>	35 7/8	x 72 1/8	36 7/8	x 73 1/8	36 3/8	x 72 5/8	31 9/16	x 27 15/16	6.12	31 9/16	x 33 1/4	14.58
3 x 2	52	x 24 7/8	53	x 25 7/8	52 1/2	x 25 3/8	47 11/16	x 5 1/2	1.83	47 11/16	x 9 5/8	6.37
3 x 3	52	x 37 1/4	53	x 38 1/4	52 1/2	x 37 3/4	47 11/16	x 11 11/16	3.88	47 11/16	x 15 13/16	10.47
3 x 4	52	x 49 1/2	53	x 50 1/2	52 1/2	x 50	47 11/16	x 16 5/8	5.50	47 11/16	x 21 15/16	14.53
3 x 5	52	x 61 7/8	53	x 62 7/8	52 1/2	x 62 3/8	47 11/16	x 22 13/16	7.55	47 11/16	x 28 1/8	18.63
3 x 6 <sup>^</sup>	52	x 72 1/8	53	x 73 1/8	52 1/2	x 72 5/8	47 11/16	x 26 11/16	8.85	47 11/16	x 33 1/4	22.02

Clear Opening Sizes are for one opening.

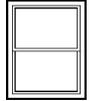
Visible Glass Sizes are for one lite of glass. Total Visible Glass is combined area of all lites of glass in entire unit.

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

<sup>^</sup> **BOLD** type indicates window may meet clear opening/egress criteria of minimum 20" net opening width, minimum 24" net opening height and minimum 5.7 sq. ft. opening area.

## Custom Sizes for V1 Series Coastal Watch Single-Hung Windows with Masonry or Nailing Flange - Approved for HVHZ

FORMERLY 2127 SERIES IMPACT RESISTANT SINGLE-HUNG WINDOW - WITH MASONRY FLANGE OR NAILING FIN SINGLE-HUNG - MODELS 2127IMPACTFL & 2127IMPACTFIN - CUSTOM WINDOW SIZES



ACTUAL WINDOW SIZE	MINIMUM	MAXIMUM
Window Width (WW)	18	52
Window Height (WH)	24	73
United Inch (UI)	42	125

Add 1" to width and height for Tip To Tip (TTT) masonry flange dimensions.  
 Add 1/2" to width and height for rough opening dimensions.  
 Window can be ordered in 1/16" increments in height for masonry flange.  
 Window can be ordered in 1/8" increments for nailing flange.  
 Sizes listed are in inches unless otherwise indicated.

ACTUAL GLASS SIZE FORMULAS		
	WIDTH (GW)	HEIGHT (GH)
Per Glass	MROUND (WW - 3.438, 1/16)	MROUND ((WH / 2) - 1.938, 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) * 2

CLEAR OPENING FORMULAS		
BALANCER TYPE	WIDTH	HEIGHT
1 Coil Balancer	WW - 4.3125	WH / 2 - 5.69
2 Coil Balancers	WW - 4.3125	WH / 2 - 6.91
3 Coil Balancers	WW - 4.3125	WH / 2 - 8.13
4 Coil Balancers	WW - 4.3125	WH / 2 - 9.35
Block and Tackle	WW - 4.3125	WH / 2 - 4.6875

Number of coils is based on unit size.  
 Clear opening is for one opening.

CLEAR OPENING SIZE REFERENCE CHART																				
		ACTUAL WINDOW WIDTH																		
		18	18.01 - 18.99	20 - 21.99	22 - 23.99	24 - 25.99	26 - 27.99	28 - 29.99	30 - 31.99	32 - 33.99	34 - 35.874	35.875 - 36.24	36.25 - 37.99	38 - 39.99	40 - 41.99	42 - 43.99	44 - 45.99	46 - 47.99	48 - 49.99	50 - 52
ACTUAL WINDOW HEIGHT	24	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2
	24.01 - 25.99	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2
	26 - 27.99	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2
	28 - 29.99	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2
	30 - 31.99	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2
	32 - 33	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2
	34 - 35.99	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2
	36 - 37.99	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	38 - 39.99	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	40 - 41.99	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3
	42 - 43.99	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3
	44 - 45.99	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3
	46 - 47.99	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3
	48 - 49.99	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3
	50 - 51.99	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3
	52 - 53.99	1	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3
	54 - 55.99	1	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3
	56 - 57.99	1	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3
	58 - 59.99	1	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3
60 - 61.874	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	
61.875 - 63.874	2	2	2	2	2	2	2	2	2	3	BT	BT	BT	3	3	3	3	3	3	
64.875 - 65.874	2	2	2	2	2	2	2	2	2	3	BT	BT	BT	3	3	3	3	3	4	
65.875 - 67.874	2	2	2	2	2	2	2	2	3	3	BT	BT	3	3	3	3	3	3	4	
68.875 - 69.874	2	2	2	2	2	2	2	2	3	3	BT	3	3	3	3	3	3	4	4	
67.875 - 70.875	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	4	4	4	
70.875 - 71.99	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	4	4	4	
72 - 73	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	4	4	4	

- BT** Meet or exceed clear opening area of 5.7 sq. ft., clear opening width of 20" and clear opening height of 24" with block & tackle balancer.
- 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.
- 4** Meet or exceed clear opening area of 5.7 sq. ft., clear opening width of 20" and clear opening height of 24" with 4 balancers.

For other sizes please refer to formulas above.

## Custom Sizes for V1 Series Coastal Watch Single-Hung Picture Windows with Masonry or Nailing Flange - Approved for HVHZ



FORMERLY 2127 SERIES IMPACT RESISTANT SINGLE-HUNG WINDOW - WITH MASONRY FLANGE OR NAILING FIN  
SINGLE PICTURE WINDOW - MODEL 2130IMPACT - CUSTOM WINDOW SIZES

ACTUAL WINDOW SIZE	MINIMUM	MAXIMUM
Window Width (WW)	18"	73"
Window Height (WH)	18"	73"
United Inch (UI)	36"	126"

Add 1" to width and height for Tip To Tip (TTT) masonry flange dimensions.

Add 1/2" to width and height for rough opening dimensions.

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

Sizes listed are in inches unless otherwise indicated.

ACTUAL WINDOW HEIGHT	ACTUAL WINDOW WIDTH	
	18 - 53	18 - 53
53 1/16 - 73		NOT AVAILABLE

ACTUAL GLASS SIZE FORMULAS		
	WIDTH (GW)	HEIGHT (GH)
Per Opening	MROUND (WW - 3.3125, 1/16)	MROUND (WH - 3.3125, 1/16)

VISIBLE GLASS FORMULAS		
	WIDTH (VW)	HEIGHT (VH)
Per Opening	GW - 1.125	GH - 1.125

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

## Custom Sizes for V1 Series Coastal Watch Single-Hung Half Circle Windows with Masonry or Nailing Flange - Approved for HVHZ

FORMERLY 2127 SERIES IMPACT RESISTANT SINGLE-HUNG WINDOW - WITH MASONRY FLANGE OR NAILING FIN  
 HALF CIRCLE WINDOW - MODEL 2145IMPACT - CUSTOM WINDOW SIZES



ACTUAL WINDOW SIZE	MINIMUM	MAXIMUM
Window Width (WW)	24	73
Window Height (WH)	12	37
United Inch (UI)	36	110

Add 1" to width and height for Tip To Tip (TTT) masonry flange dimensions.

Add 1/2" to width and height for rough opening dimensions.

Window can be ordered in 1/4" increments for both width and height.

Sizes listed are in inches unless otherwise indicated.

ACTUAL GLASS SIZE FORMULAS		
	WIDTH (GW)	HEIGHT (GH)
Per Opening	$MROUND (WW - 2 * 1.625 / (1.625 / (WH - \sqrt{WH * WH - 2 * WH * 1.625}))), 1/16$	$MROUND (WH - 2 * 1.625, 1/16)$

VISIBLE GLASS SIZE FORMULAS		
	WIDTH (VW)	HEIGHT (VH)
Per Opening	$GW - 1.125$	$GH - 1.125$

VISIBLE GLASS SQUARE FOOT FORMULA	
For Entire Unit	$0.5 * 3.1416 * (VW / 2)^2 / 144$

## Custom Sizes for V1 Series Coastal Watch Single-Hung Quarter Circle Windows with Masonry or Nailing Flange - Approved for HVHZ



FORMERLY 2127 SERIES IMPACT RESISTANT SINGLE-HUNG WINDOW - WITH MASONRY FLANGE OR NAILING FIN  
 QUARTER CIRCLE WINDOW - MODEL 2132IMPACT - CUSTOM WINDOW SIZES

ACTUAL WINDOW SIZE	MINIMUM	MAXIMUM
Window Width (WW)	18	36
Window Height (WH)	18	36
United Inch (UI)	36	126

Add 1" to width and height for Tip To Tip (TTT) masonry flange dimensions.

Add 1/2" to width and height for rough opening dimensions.

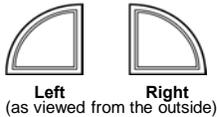
Window can be ordered in 1/4" increments for both width and height.

Sizes listed are in inches unless otherwise indicated.

ACTUAL GLASS SIZE FORMULAS		
	WIDTH (GW)	HEIGHT (GH)
Per Opening	MROUND (WW - 3.3125), 1/16	MROUND (WH - 3.3125, 1/16)

VISIBLE GLASS SIZE FORMULAS		
	WIDTH (VW)	HEIGHT (VH)
Per Opening	GW - 1.125	GH - 1.125

VISIBLE GLASS SQUARE FOOT FORMULA	
For Entire Unit	$0.25 * 3.1416 * (VW / 2) ^ 2 / 144$



## Sizes for V1 Series Coastal Watch Single-Hung Circle Windows with Masonry or Nailing Flange - Approved for HVHZ

FORMERLY 2127 SERIES IMPACT RESISTANT SINGLE-HUNG WINDOW - WITH MASONRY FLANGE OR NAILING FIN  
FULL CIRCLE WINDOW - MODEL 2138IMPACT - WINDOW SIZES



NOMINAL WINDOW SIZE	ACTUAL WINDOW SIZE (FRAME TTT)	EXTERIOR DIMENSION INCL "J" CHANNEL	ROUGH OPENING SIZE		VISIBLE GLASS PER OPENING		TOTAL VISIBLE GLASS SQ. FT.
	WIDTH & HEIGHT	WIDTH & HEIGHT	WIDTH	HEIGHT	WIDTH	HEIGHT	
2/0	24	25	24 1/2	x 24 1/2	19 9/16	x 19 9/16	2.09
2/4	28	29	28 1/2	x 28 1/2	23 9/16	x 23 9/16	3.03
2/8	32	33	32 1/2	x 32 1/2	27 9/16	x 27 9/16	4.14
3/0	36	37	36 1/2	x 36 1/2	31 9/16	x 31 9/16	5.43
3/4	40	41	40 1/2	x 40 1/2	35 9/16	x 35 9/16	6.89
3/6	42	43	42 1/2	x 42 1/2	37 9/16	x 37 9/16	7.69
4/0	48	49	48 1/2	x 48 1/2	43 9/16	x 43 9/16	10.35

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 1 1/8" to the Visible Glass Width and add 1 1/8" to the Visible Glass Height.

## Custom Sizes for V1 Series Coastal Watch Single-Hung Arch/Eyebrow Windows with Masonry or Nailing Flange - Approved for HVHZ

FORMERLY 2127 SERIES IMPACT RESISTANT SINGLE-HUNG WINDOW - WITH MASONRY FLANGE OR NAILING FIN  
 EYEBROW WINDOW - MODEL 2133MPACT - CUSTOM WINDOW SIZES



ACTUAL WINDOW SIZE	MINIMUM	MAXIMUM
Window Width (WW)	18	73
Window Height (WH)	10	73
Window Shoulder (WS)	6	70
United Inch (UI)	28	126

Add 1" to width and height for Tip To Tip (TTT) masonry flange dimensions.

Add 1/2" to width and height for rough opening dimensions.

Window can be ordered in 1/4" increments for both width and height.

Sizes listed are in inches unless otherwise indicated.

ACTUAL WINDOW HEIGHT	ACTUAL WINDOW WIDTH	
	18 - 53	18 - 53
53 1/16 - 73		NOT AVAILABLE

ACTUAL GLASS SIZE FORMULAS		
	WIDTH (GW)	HEIGHT (GH)
Per Opening	MROUND (WW - 3.3125, 1/16)	MROUND (WH - 3.3125, 1/16)

VISIBLE GLASS SIZE FORMULAS		
	WIDTH (VW)	HEIGHT (VH)
Per Opening	GW - 1.125	GH - 1.125

VISIBLE GLASS SQUARE FOOT FORMULA	
For Entire Unit	CONTACT CUSTOMER SERVICE

## Custom Sizes for V1 Series Coastal Watch Single-Hung Palladian with Masonry or Nailing Flange - Approved for HVHZ



FORMERLY 2127 SERIES IMPACT RESISTANT SINGLE-HUNG WINDOW - WITH MASONRY FLANGE OR NAILING FIN  
PALLADIAN WINDOW - MODEL 2134IMPACT - CUSTOM WINDOW SIZES

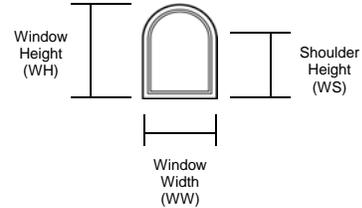
ACTUAL WINDOW SIZE	MINIMUM	MAXIMUM
Window Width (WW)	24	73
Window Height (WH)	36	73
Window Shoulder (WS)	6	70
United Inch (UI)	60	126

Add 1" to width and height for Tip To Tip (TTT) masonry flange dimensions.

Add 1/2" to width and height for rough opening dimensions.

Window can be ordered in 1/4" increments for both width and height.

Sizes listed are in inches unless otherwise indicated.



ACTUAL WINDOW HEIGHT	ACTUAL WINDOW WIDTH	
	23 1/2 - 53	53 1/8 - 73
36 - 53		
53 1/8 - 73		NOT AVAILABLE

ACTUAL GLASS SIZE FORMULAS		
	WIDTH (GW)	HEIGHT (GH)
Per Opening	MROUND (WW - 3.3125, 1/16)	MROUND (WH - 3.3125, 1/16)

VISIBLE GLASS SIZE FORMULAS		
	WIDTH (VW)	HEIGHT (VH)
Per Opening	GW - 1.125	GH - 1.125

VISIBLE GLASS SQUARE FOOT FORMULA	
For Entire Unit	$0.5 * 3.1416 * (VW / 2)^2 / 144 + (VH - VW / 2) * VW / 144$