



Custom Sizes for V3 Series Coastal Watch Casement Windows with Insert Frame

FORMERLY 70 SERIES IMPACT RESISTANT CASEMENT/AWNING WINDOW - REPLACEMENT BLOCK FRAME
SINGLE VENT CASEMENT - MODEL 70RCW1IMP - CUSTOM WINDOW SIZES

ACTUAL WINDOW SIZE	MINIMUM	MAXIMUM
Window Width (WW)	17 1/2	36
Window Height (WH)	23	72
United Inch (UI)	40 1/2	108

Window can be ordered in 1/8" increments.

ACTUAL GLASS SIZE FORMULAS		
	WIDTH (GW)	HEIGHT (GH)
Per Opening	MROUND (MROUND ((WW - 2), 1/16) - 3.75, 1/16)	MROUND (MROUND ((WH - 2), 1/16) - 3.75, 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	VW * VH / 144

CLEAR OPENING FORMULAS		
HINGE TYPE	WIDTH	HEIGHT
Standard Hardware	WW - 12.188	WH - 5.25

Clear opening hardware is not available.

CLEAR OPENING SIZE REFERENCE CHART																					
		ACTUAL WINDOW WIDTH																			
		17.5	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	
ACTUAL WINDOW HEIGHT	23																				
	25																				
	27																				
	29																				
	31																				
	33																				
	35																				
	37																				
	39																				
	41																			1	
	43																		1	1	1
	45																	1	1	1	1
	47																	1	1	1	1
	49																	1	1	1	1
	51																	1	1	1	1
	53																	1	1	1	1
	55																	1	1	1	1
	57																	1	1	1	1
	59																	1	1	1	1
	61																	1	1	1	1
	63																	1	1	1	1
65																	1	1	1	1	
67																	1	1	1	1	
69																	1	1	1	1	
71																	1	1	1	1	
72																	1	1	1	1	

1 Denotes that a window meets or exceeds clear opening area of 5.7 sq. ft., clear opening width of 20" and clear opening height of 24" with standard hardware. For other sizes please refer to formulas above.



Custom Sizes for V3 Series Coastal Watch Awning Windows with Insert Frame

FORMERLY 70 SERIES IMPACT RESISTANT CASEMENT/AWNING WINDOW - REPLACEMENT BLOCK FRAME
SINGLE VENT AWNING - MODEL 70RAW1IMP - CUSTOM WINDOW SIZES

ACTUAL WINDOW SIZE	MINIMUM	MAXIMUM
Window Width (WW)	17 1/2	48
Window Height (WH)	15	36
United Inch (UI)	32 1/2	84

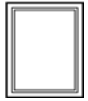
Window can be ordered in 1/8" increments.

ACTUAL GLASS SIZE FORMULAS		
	WIDTH (GW)	HEIGHT (GH)
Per Opening	MROUND (MROUND ((WW - 2.062), 1/16) - 3.75, 1/16)	MROUND (MROUND ((WH - 2.062), 1/16) - 3.75, 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	VW * VH / 144

This product does not meet clear opening area of 5.7 sq. ft., clear opening width of 20" and clear opening height of 24".



Custom Sizes for V3 Series Coastal Watch Casement/Awning Picture & Transom Windows with Insert Frame

FORMERLY 70 SERIES IMPACT RESISTANT CASEMENT/AWNING WINDOW - REPLACEMENT BLOCK FRAME SINGLE TRANSOM/PICTURE - MODEL 70RCPW1IMP - CUSTOM WINDOW SIZES

ACTUAL WINDOW SIZE	MINIMUM	MAXIMUM
Window Width (WW)	12	73
Window Height (WH)	12	73
United Inch (UI)	27	126

Window can be ordered in 1/8" increments.

ACTUAL WINDOW HEIGHT	ACTUAL WINDOW WIDTH	
		12 - 53
12 - 53		
53 1/8 - 73		SIZES NOT AVAILABLE

ACTUAL GLASS SIZE FORMULAS		
	WIDTH (GW)	HEIGHT (GH)
Per Opening	MROUND (WW - 3.25, 1/16)	MROUND (WH - 3.25, 1/16)

VISIBLE GLASS SIZE FORMULAS		
	WIDTH (VW)	HEIGHT (VH)
Per Opening	GW - 1	GH - 1

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

Custom Sizes for V3 Series Coastal Watch Casement/Awning Half Circle Windows with Insert Frame



FORMERLY 70 SERIES IMPACT RESISTANT CASEMENT/AWNING WINDOW - REPLACEMENT BLOCK FRAME
HALF CIRCLE - MODEL 70RHCIMP - CUSTOM WINDOW SIZES

ACTUAL WINDOW SIZE	MINIMUM	MAXIMUM
Window Width (WW)	23 1/2	73
Window Height (WH)	11 3/4	36 1/2
United Inch (UI)	35 1/4	109 1/2

Window can be ordered in 1/8" increments.

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	$0.5 * 3.1416 * (VW / 2) ^ 2 / 144$