



Custom Sizes for V3 Series Coastal Watch Double-Hung Windows with Insert Frame - Approved for HVHZ and Custom Sizes for V3 Series Double-Hung Windows with Insert Frame - Approved for HVHZ with Standard Glass

FORMERLY 9500 SERIES IMPACT RESISTANT DOUBLE-HUNG WINDOW - REPLACEMENT/BLOCK FRAME
DOUBLE-HUNG - MODEL 9500IMPACT - CUSTOM WINDOW SIZES

ACTUAL WINDOW SIZE	MINIMUM	MAXIMUM
Window Width (WW)	16	53 1/4
Window Height (WH)	24 1/2	75
United Inch (UI)	41 3/4	128 1/4

Window can be ordered in 1/4" increments.

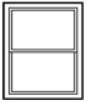
ACTUAL GLASS SIZE FORMULAS		
	WIDTH (GW)	HEIGHT (GH)
Top Sash	MROUND (WW - 6.125, 1/16)	MROUND (FH / 2 - 3.5, 1/16)
Bottom Sash	MROUND (WW - 6.125, 1/16)	MROUND (WH / 2 - 3.5, 1/16)

VISIBLE GLASS FORMULAS		
	WIDTH (VW)	HEIGHT (VH)
Top Sash	GW - 0.875	GH - 0.875
Bottom Sash	GW - 0.875	GH - 0.875

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

CLEAR OPENING FORMULAS		
BALANCERS	WIDTH	HEIGHT
1	WW - 4.698"	(WH / 2) - 7.1855"
2	WW - 4.698"	(WH / 2) - 8.464"
3	WW - 4.698"	(WH / 2) - 9.742"
4	WW - 4.698"	(WH / 2) - 10.874"

See following pages for balancer information.



Clear Opening & Balancer Chart for V3 Series Coastal Watch Double-Hung Windows with Insert Frame - Approved for HVHZ

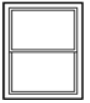
FORMERLY MODEL 9500IMPACT DOUBLE-HUNG WINDOW, HVHZ APPROVED - REPLACEMENT/BLOCK FRAME
CLEAR OPENING & BALANCER CHART

		FRAME WIDTH																		
		16.00 - 17.99	18.00 - 19.99	20.00 - 21.99	22.00 - 23.99	24.00 - 25.99	26.00 - 27.99	28.00 - 29.99	30.00 - 31.99	32.00 - 33.99	34.00 - 35.99	36.00 - 37.99	38.00 - 39.99	40.00 - 41.99	42.00 - 43.99	44.00 - 45.99	46.00 - 47.99	48.00 - 49.99	50.00 - 51.99	52.00 - 53.25
FRAME HEIGHT	Actual size																			
	24.50 - 27.99	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2
	28.00 - 29.99	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2
	30.00 - 31.99	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2
	32.00 - 33.99	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2
	34.00 - 35.99	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2
	36.00 - 37.99	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	3
	38.00 - 39.99	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3
	40.00 - 41.99	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3
	42.00 - 43.99	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3
	44.00 - 45.99	1	1	1	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3
	46.00 - 47.99	1	1	1	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3
	48.00 - 49.99	1	1	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3
	50.00 - 51.99	1	1	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3
	52.00 - 53.99	1	1	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3
	54.00 - 55.99	1	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3
	56.00 - 57.99	1	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	4
58.00 - 59.99	1	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	4	
60.00 - 61.99	1	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	4	
62.00 - 63.99	1	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	4	4	
64.00 - 65.99	1	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	4	4	
66.00 - 67.99	1	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	4	4	4	
68.00 - 69.99	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	4	4	4	
70.00 - 71.99	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	4	4	4	
72.00 - 73.99	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	4	4	4	4	
74.00 - 75.00	2	2	2	2	2	2	2	3	3	3	3	3	3	3	4	4	4	4	4	

Denotes number of balancers in a particular window size.

Denotes number of balancers in a particular window size. Meets or exceeds clear opening area of 5.7 sq ft, clear opening width of 20" and clear opening height of 24".

Clear Opening Formulas		
Balancers	Width	Height
1	WW - 4.698"	(WH / 2) - 6.6875"
2	WW - 4.698"	(WH / 2) - 7.6875"
3	WW - 4.698"	(WH / 2) - 8.8750"
4	WW - 4.698"	(WH / 2) - 10.0625"



**Clear Opening & Balancer Chart for V3 Series Double-Hung Windows with Insert Frame -
Approved for HVHZ with Standard Glass**

FORMERLY 9521HV DOUBLE-HUNG WINDOW, HVHZ APPROVED - REPLACEMENT/BLOCK FRAME
CLEAR OPENING & BALANCER CHART

Actual size	FRAME WIDTH																			
	16.00 - 17.99	18.00 - 19.99	20.00 - 21.99	22.00 - 23.99	24.00 - 25.99	26.00 - 27.99	28.00 - 29.99	30.00 - 31.99	32.00 - 33.99	34.00 - 35.99	36.00 - 37.99	38.00 - 39.99	40.00 - 41.99	42.00 - 43.99	44.00 - 45.99	46.00 - 47.99	48.00 - 49.99	50.00 - 51.99	52.00 - 53.25	
FRAME HEIGHT	24.50 - 27.99	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	
	28.00 - 29.99	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	
	30.00 - 31.99	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	
	32.00 - 33.99	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	
	34.00 - 35.99	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	
	36.00 - 37.99	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	
	38.00 - 39.99	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	
	40.00 - 41.99	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	
	42.00 - 43.99	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	
	44.00 - 45.99	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	
	46.00 - 47.99	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	
	48.00 - 49.99	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	
	50.00 - 51.99	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	
	52.00 - 53.99	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	
	54.00 - 55.99	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	
	56.00 - 57.99	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	
58.00 - 59.99	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2		
60.00 - 61.99	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2		
62.00 - 63.99	1	1	1	1	2	2	2	2	2	2	2	2	2	2	3	3	3	3		
64.00 - 65.99	1	1	1	1	2	2	2	2	2	2	2	2	2	2	3	3	3	3		
66.00 - 67.99	1	1	1	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3		
68.00 - 69.99	1	1	1	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3		
70.00 - 71.99	1	1	1	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3		
72.00 - 73.99	1	1	1	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3		
74.00 - 75.00	1	1	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3		

Note: This chart is for windows with standard glass strength only

Denotes number of balancers in a particular window size.

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