



Custom Sizes for V3 Series Double-Hung Windows with Insert Frame
FORMERLY 8600 SERIES DOUBLE-HUNG WINDOW - REPLACEMENT/BLOCK FRAME
DOUBLE-HUNG - MODEL 8601 - CUSTOM WINDOW SIZES

ACTUAL WINDOW SIZE	MINIMUM	MAXIMUM
Window Width (WW)	16 3/4	48
Window Height (WH)	26 3/4	80
United Inch (UI)	43 1/2	128

Window can be ordered in 1/8" increments.

ACTUAL GLASS SIZE FORMULAS		
	WIDTH (GWTOP and GWBOT)	HEIGHT (GHTOP and GHBOT)
Top Sash	$GW_{TOP} = MROUND(WW - 6.125, 1/16)$	$GH_{TOP} = MROUND((WH / 2) - 3.00, 1/16)$
Bottom Sash	$GW_{BOT} = MROUND(WW - 5.6875, 1/16)$	$GH_{BOT} = MROUND((WH / 2) - 3.00, 1/16)$

VISIBLE GLASS FORMULAS		
	WIDTH (VWTOP and VVBOT)	HEIGHT (VHTOP and VHBOT)
Top Sash	$VW_{TOP} = GW_{TOP} - 0.875$	$VH_{TOP} = GH_{TOP} - 0.875$
Bottom Sash	$VW_{BOT} = GW_{BOT} - 0.875$	$VH_{BOT} = GH_{BOT} - 0.875$

VISIBLE GLASS SQUARE FOOT FORMULA	
For Entire Unit	$((VW_{TOP} * VH_{TOP}) / 144) + ((VW_{BOT} * VH_{BOT}) / 144)$

CLEAR OPENING FORMULAS (FRAME HEIGHT LESS THAN OR EQUAL TO 62")		
BALANCER TYPE	WIDTH	HEIGHT
1 Constant Force	$WW - 4.875$	$WH / 2 - 5.750$
2 Constant Force	$WW - 4.875$	$WH / 2 - 7.375$

CLEAR OPENING FORMULAS (FRAME HEIGHT GREATER THAN 62")		
BALANCER TYPE	WIDTH	HEIGHT
1 Constant Force	$WW - 4.875$	$WH / 2 - 6.9375$
2 Constant Force	$WW - 4.875$	$WH / 2 - 8.500$

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

CLEAR OPENING SIZE REFERENCE CHART																		
	ACTUAL WINDOW WIDTH																	
	16.75	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48	
A C T U A L	26.75																	
	28																	
	30																	
	32																	
	34																	
	36																	
	38																	
	40																	
	42																	
	44																	
	46																	
	48																	
	50																	
	52																	
	54																	
	56																	
H E I G H T	58																	
	60																	
	62																	
	64																	
	66													2	2	2	2	2
	68												2	2	2	2	2	2
	70											2	2	2	2	2	2	2
	72											2	2	2	2	2	2	2
	74									2	2	2	2	2	2	2	2	2
	76									2	2	2	2	2	2	2	2	2
	78									2	2	2	2	2	2	2	2	2
	80									2	2	2	2	2	2	2	2	2

2 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 2 balancers.
For other sizes please refer to formulas above.