

3100 Single Hung Window

Features:

- Bottom sash tilts in for easy cleaning
- Insulated glass panels with optimum thermal air space featuring a warm-edge spacer system
- Double sash locks provide extra security (2 locks standard at 27 1/4" or wider)
- Block and tackle balance system keeps lower sash stationary when opened to any position
- Factory applied wrap-around foam enhances thermal efficiency around the frame's exterior
- Fusion-welded frame and sash corners ensure frame durability
- Sloped sill accommodates easy water run-off
- Factory-installed half screen standard
- Jamb depth: 2.625"
- Transferable limited lifetime warranty

Custom Options:

- Low-E Glass
- Low-E Glass with Argon Gas
- Ultra Low-E Glass with Argon Gas
- Obscure glass
- Double strength glass
- Optional 5/8" or 1" contoured grid; 5/8" or 3/4" flat grid, 5/8" contoured valance available
- Custom sizes cut on 1/8" width and height
- Factory mulling of twins and triples
- Lifetime glass breakage warranty

Product Performance:

AAMA 101 Results:

Window Size	AAMA Rating (psf)	Air (cfm/ft ²)	Water (psf)
48" x 78" (O/X)	R-PG30	0.14	7.52
36" x 74" (O/X)	R-PG50	0.14	7.52
109" x 74" (O/X – O/X – X/X SH HP Muller Triple)	DP50	0.24	7.52

Product Dimensions:

Vinyl Wall Thickness:	0.070"
Typ. Glass Thickness:	0.750"
Jamb Depth:	2.625"
Mullion Adder:	
Standard:	0.500"
High Performance:	0.500"

Rough Opening:

Window Width + 1/4"
Window Height + 1/4"

Size Restrictions:

	Min:	Max:
Width	16 7/8"	51 3/4"
Height	23 1/2"	89 3/4"

(Max. United Inches 132")



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Egress Formulas:

Egress Width $\geq 20"$ and Egress Height $\geq 24"$ and Egress Area $\geq 5.7 \text{ ft}^2$ required to meet egress.

Egress Width Formula = Window Width - 5.3125"

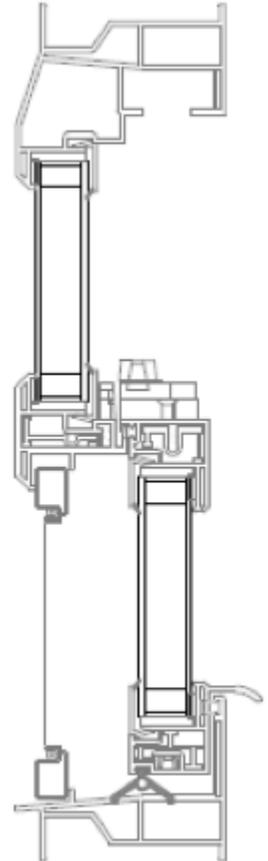
Egress Height Formula = (Window Height/2) - 4.5"

Egress Area Formula = (Egress Width x Egress Height)/144

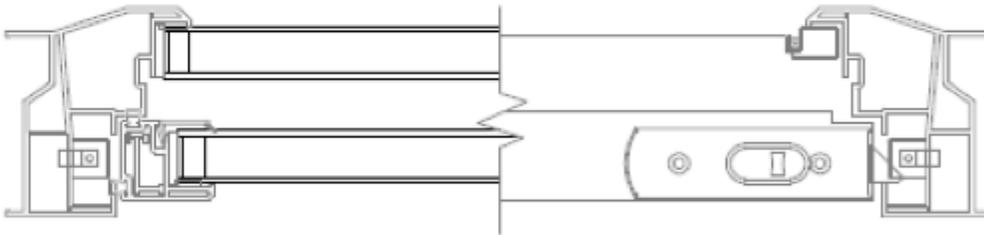
Screen Formulas:

Window Width - 4.3125" (1/2 Screen)

(Window Height/2) - 1.3750" (1/2 Screen)

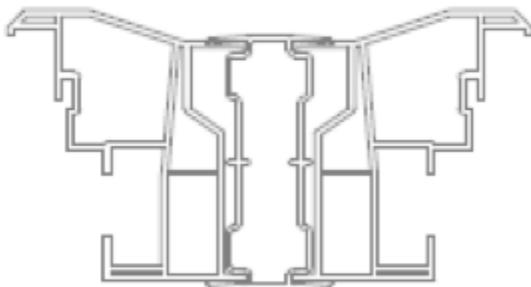


Cross Sections:



Standard Mullion Assembly:

(not structurally rated)



High Performance Mullion Assembly:

