

# DESIGNER SERIES

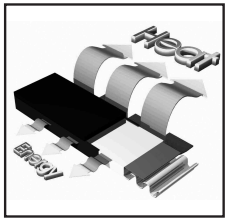
## I650 DOUBLE HUNG

### VINYL REPLACEMENT WINDOWS

XACT DOUBLE-HUNG  
WINDOWS COME WITH STANDARD  
FEATURES YOU WOULD EXPECT  
TO FIND AS OPTIONS ON MORE  
EXPENSIVE WINDOWS.

#### FORM. FUNCTION.

Our Xact Windows are designed not just for beauty, but are built to last. State-of-the-art technology is used to create clean window lines that will improve your home's appearance. Using the highest quality materials and sophisticated manufacturing techniques, we produce well-built, strongly constructed, easy-to-install windows that will provide years of comfort for your family.



Envirosealed Spacer System for superior thermal efficiency



Recessed tilt latches for convenient and easy operation



Steel reinforced meeting rails for increased strength and weather tightness



Decorative mortised recessed locks close in opposite directions to create a tighter seal



Patented constant-force stainless steel coil balance system and locking pivot bar shoe provide for easy sash operation and removal



Balance channel covers provide a stylish aesthetic

Stylish welded mainframe design with a full 3 1/4" frame depth assures structural integrity and durable construction.

Foam insulation wrap on the frame provides weather tightness.

Balance channel covers provide a stylish aesthetic.

Envirosealed glass system reduces heating and cooling costs, deadens sound and provides increased comfort. Standard TMAX™ Double Strength Glass Package for maximum energy efficiency.

Spring-loaded night latches add security while allowing both window sash to remain partially open for ventilation.

Patented detent clip prevents the top sash from drifting; easier to close and lock the window.

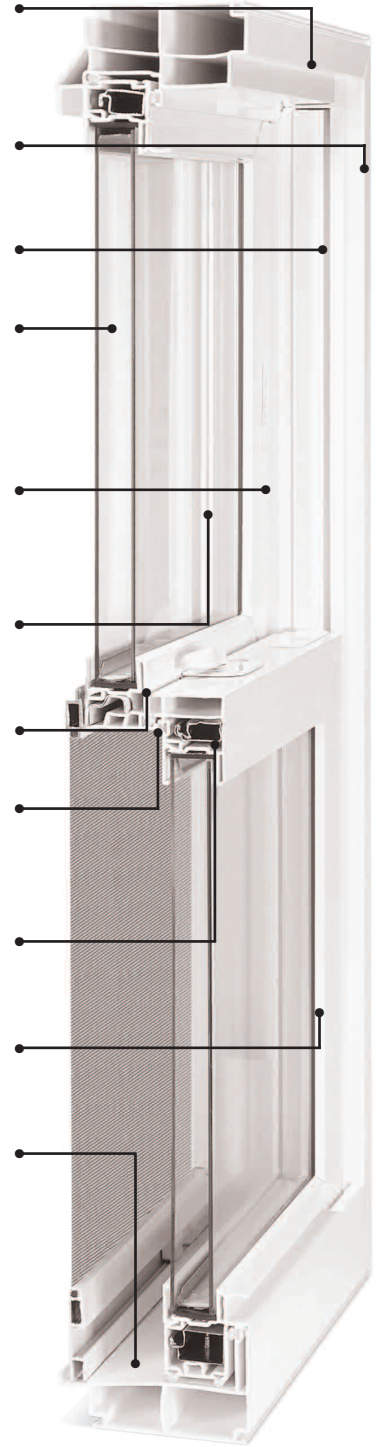
Interlock for unsurpassed weather tightness.

Heavy-duty, white weather-stripping creates a barrier to air and water infiltration; prevents drafts and assures a tight fit.

Steel reinforced meeting rails for increased strength and weather tightness.

Both sash are exterior glazed and aesthetically beveled to the glass for an elegant design and appearance.

True sloping sill design allows water run off to the outside of your home.



Standard



Standard



See thermal chart on back for details.



XACT COLLECTION (SERIES 1600 & 1555)  
THERMAL TEST INFORMATION

VINYL WINDOWS AND DOORS - EAST  
THERMAL PERFORMANCE

Product Series/Type	2009-2010 Energy Tax Credit*	Glazing Type	U-Value**	SHGC**	Visible Light Transmittance**	Energy Star Compliance (See Map Below)
1650 Double Hung		TMAX	0.29	0.29	0.52	
		TMAX w/ Grids	0.29	0.26	0.46	
1650 Fixed		TMAX	0.30	0.22	0.51	
		TMAX w/ Grids	0.30	0.28	0.50	
1660 Awning		TMAX	0.29	0.26	0.47	
		TMAX w/ Grids	0.29	0.24	0.42	
1670 Casement		TMAX	0.29	0.26	0.47	
		TMAX w/ Grids	0.29	0.24	0.42	
1680 Double Slider		TMAX	0.30	0.29	0.52	
		TMAX w/ Grids	0.30	0.26	0.46	
1555 Double Hung		TMAX	0.30	0.29	0.53	
		TMAX w/ Grids	0.30	0.26	0.47	
1555 Fixed		TMAX	0.30	0.22	0.52	
		TMAX w/ Grids	0.30	0.28	0.51	



Product Meets the Energy Tax Credit Criteria (U-Value equal to or better than a 0.30 & a Solar Heat Gain Coefficient (SHGC) of 0.30)

\*Go to [www.energystar.gov](http://www.energystar.gov) for more details on the Energy Tax Credit

\*\*All ratings for grids reflect flat grid options

\*\*Above values can vary depending on use of flat grids or sculptured grids and optional glass thicknesses upgrades such as 1/4" laminated, 1/8" tempered, 3/16" decorative glass etc... Please visit our website at [www.miwd.com](http://www.miwd.com) for more detail.

**Definitions**

**TMAX** - Dual pane insulated glass with high performance Low-E, argon enhancement and low conductance spacer

**Low-E** - Low-emissivity glass with a transparent coating which acts as a thermal mirror - used to increase a window's insulating value, block or increase heat flow, and reduce fading.

**Argon** - An inert, colorless, and harmless gas used instead of air in sealed spaces between panes of glass in insulating glass units to increase insulation. Argon is less conductive to heat than air. It is injected in the airspace of an insulating unit.

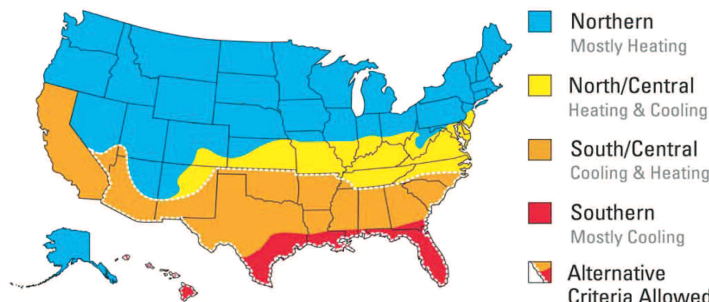
**Grids** - Decorative inserts for windows or door glazing that adds a traditional touch - available in flat and sculptured.

**U-Value** - U-Value measures the rate of heat transfer and tells you how well the window insulates. The lower the U-Factor, the better the window insulates.

**SHGC** (Solar Heat Gain Coefficient) - measures the fraction of solar energy admitted and tells you how well the product blocks heat caused by sunlight. The lower the SHGC, the less solar heat the window transmits. SHGC is measured on a scale of 0 to 1.

**VLT** (Visible Light Transmittance) - measures the amount of light the window lets through. The higher the VT, the more light you see. VT is measured on a scale of 0 to 1.

**Energy Star Compliance**



For additional product information, technical documents, installation instructions and warranty information, please visit: [www.miwd.com](http://www.miwd.com)

Individual products may be subject to a variation in performance

MI Windows and Doors expressly disclaims any responsibility for determining whether a particular product qualifies for the tax credit. Further, MI does not intend to and is not providing legal or tax advice and recommends that purchasers consult their own products they purchase qualify for the tax credit.

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