

POTOMAC HP SERIES



WINDOW NATION

WINDOWS • SIDING • DOORS

WHY WINDOW NATION?

OVER 2,000,000 WINDOWS INSTALLED IN MORE THAN 200,000 HOMES

ATTENTION TO DETAIL



- 50 Point Factory Inspection
- 20 Point Installation Review
- 96% Customer Satisfaction On Clean Up And Safety
- Custom windows measured 3x for precision, accuracy, and a tight seal
- Over 2 million windows installed with 96% requiring no follow up service

QUALITY



Window Nation Uses America's Only Integrated System Of Window Installation Materials, Insulation, Sealant, And Caulking

- OSI Quad Form
- OSI Quad Max Exterior Sealant
- Ultra-Premium High Performance Exterior Trim Coil
- Concrobium Mold Spray Treatment

EXPERIENCE



- Installation crew leaders average more than 20,000 windows and 10 years of experience
- Service Technicians With An Average Of 15 Years' Experience
- Over 2M Windows Installed In Over 200,000 Homes
- 3rd largest window retailer in the country, ranked by Window and Door Market

PRODUCT SELECTION



- Over 1,500 Custom Window & Door Style Combinations
- Energy Star Rated Products
- Windows Engineered For The Specific Climate We Live In

TRUST



- Angie's List Super Service Award Winner
- Limited Lifetime Warranty
- Exclusive 30-Day Price Protection Guarantee
- Licensed, Bonded, And Insured



The Window Nation Story

At Window Nation, we are proud of the partnerships and affiliations that we have developed and the relationships that have cultivated over the years.





The Potomac-hp Series is one of the world's most efficient window systems; providing up to R-6 performance. One of the strongest welded window lines in the industry, the Potomac-hp Series windows are manufactured from the highest-grade materials and tested to meet or exceed industry standards. They're virtually maintenance-free, and will keep their like-new beauty and performance year after year.



Potomac Hp[®] Double-Hung



features

- Welded sash and frame corners means durability and dependability
- Special formula PVC never needs painting, makes cleaning a snap, and prevents scratching or denting
- Both sashes tilt in for easy cleaning
- Constant Force balance system allows years of easy, carefree window operation
- Integral interlock keeps windows closed tight for added security and weatherproofing
- VyFoam[™] insulation in frame and sash provides maximum insulating performance
- Triple weatherstripping at all sealing locations decreases air and water infiltration
- Elegant, sculpted exterior for superior curbside appeal
- Full 1" sealed Insulated Glass Unit for increased insulating power
- Integrated sash lock and tilt system provides ease of use and greater forced entry resistance
- Magnetic seal virtually eliminates drafts, keeping your home comfortable
- DP R-65—159 mph wind load (190% stronger than industry minimum)



MAGNETIC SEAL/VYCORE[™] FOAM

Magnetic insert compresses sash to frame for a tighter seal.



CONSTANT FORCE BALANCES

Constant Force balance system gives you fingertip window operation.



DUALTECH SASH LOCKS & TILT LATCHES

Seamless operation of integrated tilt latch and lock with the simple swing of a lever.



The modern design and durability of our Potomac-hp Series Windows gives you the advantage of easy, convenient cleaning. The tilt-in sashes of our window make cleaning a breeze. Our engineers have virtually eliminated home window maintenance. You'll never need to paint or scrape again. Unique thermal construction and the highest quality materials reduce your heating and cooling bills. Potomac-hp insulated glass windows keep you warmer in the winter and cooler in the summer.





Potomac Hp[®] Slider

features



- Welded sash and frame corners means durability and dependability
- Special formula PVC never needs painting, makes cleaning a snap, and prevents scratching or denting
- Both sashes lift out for easy cleaning
- Integral interlock keeps windows closed tight for added security and weatherproofing
- VyFoam™ insulation in frame and sash provides maximum insulating performance
- Triple weatherstripping at all sealing locations decreases air and water infiltration
- Brass rollers provide long-lasting, reliable operation
- Elegant, sculpted exterior for superior curbside appeal
- Full 1" sealed Insulated Glass Unit for increased insulating power
- Available in two-lite and three-lite configurations
- DP R-50— 140 mph wind load (175% stronger than industry minimum)



BRASS ROLLERS

Brass rollers allow effortless sash operation.



LOCKS

The patented new design ensures secure locking of your window.



INTERLOCKING SASHES

Nickel lock shown optional. White lock standard. Integral interlock keeps windows tightly closed for added security and weatherproofing.



The Potomac-hp Series two-lite slider windows open easily from both sides. Our two-lite sliders are engineered to operate smoothly time after time, year after year. Our three-lite slider windows give you a wide-open view and slide easily on brass rollers. They complement the decor of any style home.



Potomac Hp®

Casement & Awning

features

- Welded sash and frame corners means durability and dependability
- Special formula PVC never needs painting, makes cleaning a snap, and prevents scratching or denting
- Casement windows open to a 90-degree angle, allowing easy cleaning
- Low-profile, single lever, multi-point locking system for secure and easy operation
- VyFoam™ insulation in frame and sash provides maximum insulating performance
- Elegant, sculpted exterior for superior curbside appeal
- Full 1" sealed Insulated Glass Unit for increased insulating power
- DP C-65—198 mph wind load (200% stronger than industry minimum)



OPERATING HARDWARE

Casement windows open to a 90-degree angle, allowing easy cleaning.



MULTI-POINT LOCKING SYSTEM

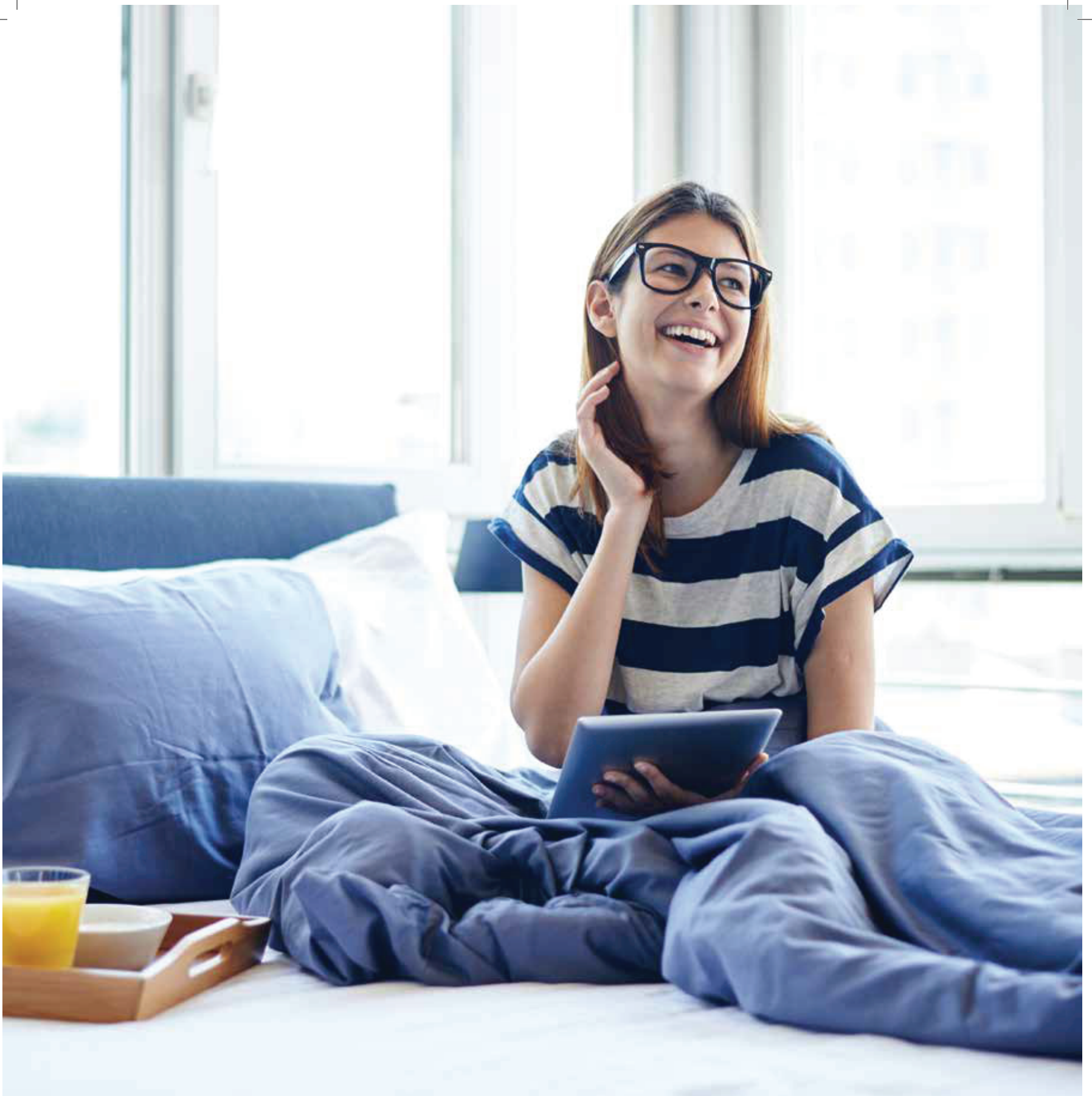
Low-profile, single lever, multi-point locking system for secure and easy operation.



CASEMENT HANDLES

Folding handle offers smoother, more contemporary, integrated look when nested. Reduces interference with blinds and drapery.





Casements offer a wide viewing area with maximum ventilation. They add character to the decor of your home. They're stylish and unsurpassed in beauty and durability. The Casement Series features a low-profile folding handle, full 90-degree opening for easy cleaning, and enhanced security with a multi-point locking mechanism.



Potomac Hp®

Bay, Bow & Garden

features



- Bow windows available in three, four, five, and six-lite configurations
- Bay windows constructed with double-hung or casement end units
- 1/4" all-threaded steel rods between struts tie head and seat boards together for added strength
- Insulated seat board helps increase energy savings
- Bay & Bow window interiors feature rich, hand-selected birch or oak veneer, ready for paint or stain



MULLION CONSTRUCTION

1/4" all-threaded steel rods between struts tie head and seat boards together for added strength.



BIRCH & OAK VENEER

Bay & Bow window interiors feature rich, hand-selected birch or oak veneer, ready for paint or stain.



GARDEN WINDOWS

Potomac-hp garden windows add a bright, new dimension to window design.





Potomac-hp Bay & Bow windows are a masterpiece of energy-efficiency. Unique construction makes it easy for you to maintain the comfort level inside your home in every season. And because Potomac-hp Bay & Bow windows are so durable, your home's new look will last a lifetime.



Configuration shown with picture window center lite




Potomac Hp® Glass Options

Only the Potomac-hp Series offers a choice of five complete *high-performance, energy-saving* glass packages:

Energy Saver Max™

Double-paned with one panes of high-performance Low-E glass


- Argon gas-filled insulated glass unit
- VyFoam™ insulated frame and sash
- Super Spacer® Warm Edge Spacer System

 VYTEX CORPORATION VINYL FRAME (6200-DH) DUAL GLAZE • ARGON • LOWE VERTICAL SLIDER WINDOW VYW-A-44-00265-00001	
ENERGY PERFORMANCE RATING	
U-Factor (U.S./I-P)	Solar Heat Gain Coefficient
0.27	0.27
ADDITIONAL PERFORMANCE RATINGS	
Visible Transmittance	Air Leakage (U.S./I-P)
0.52	≤0.3

Energy Saver Max-hp™

Triple-paned with two panes of high-performance Low-E glass


- Argon gas-filled insulated glass unit
- VyFoam™ insulated frame and sash
- Duralite® Warm Edge Spacer System

 VYTEX CORPORATION VINYL FRAME (6200-DH) TRIPLE GLAZE • ARGON • LOWE MAX VERTICAL SLIDER WINDOW VYW-A-44-00456-00001	
ENERGY PERFORMANCE RATING	
U-Factor (U.S./I-P)	Solar Heat Gain Coefficient
0.20	0.23
ADDITIONAL PERFORMANCE RATINGS	
Visible Transmittance	Air Leakage (U.S./I-P)
0.52	≤0.3

TripleSilverLoE-hp™

Triple-paned w/ two panes of high-performance TripleSilverLoE™ glass


- Argon gas-filled insulated glass unit
- VyFoam™ insulated frame and sash
- Super Spacer® Warm Edge Spacer System

 VYTEX CORPORATION VINYL FRAME (6200-DH) DUAL GLAZE • ARGON • LOWE TRIPLE SILVER VERTICAL SLIDER WINDOW VYW-A-44-00298-00001	
ENERGY PERFORMANCE RATING	
U-Factor (U.S./I-P)	Solar Heat Gain Coefficient
0.27	0.20
ADDITIONAL PERFORMANCE RATINGS	
Visible Transmittance	Air Leakage (U.S./I-P)
0.48	≤0.3

ENERGY SAVER R5™

Double-paned with one pane of high-performance Low-E glass and one pane of high-performance 4th surface Low-E glass


- Argon gas-filled insulated glass unit
- VyFoam™ insulated frame and sash
- Super Spacer® Warm Edge Spacer System

 VYTEX CORPORATION VINYL FRAME (6200-DH) DUAL GLAZE • ARGON • R5 DUAL LOWE VERTICAL SLIDER WINDOW VYW-A-44-00532-00001	
ENERGY PERFORMANCE RATING	
U-Factor (U.S./I-P)	Solar Heat Gain Coefficient
0.23	0.27
ADDITIONAL PERFORMANCE RATINGS	
Visible Transmittance	Air Leakage (U.S./I-P)
0.50	≤0.3

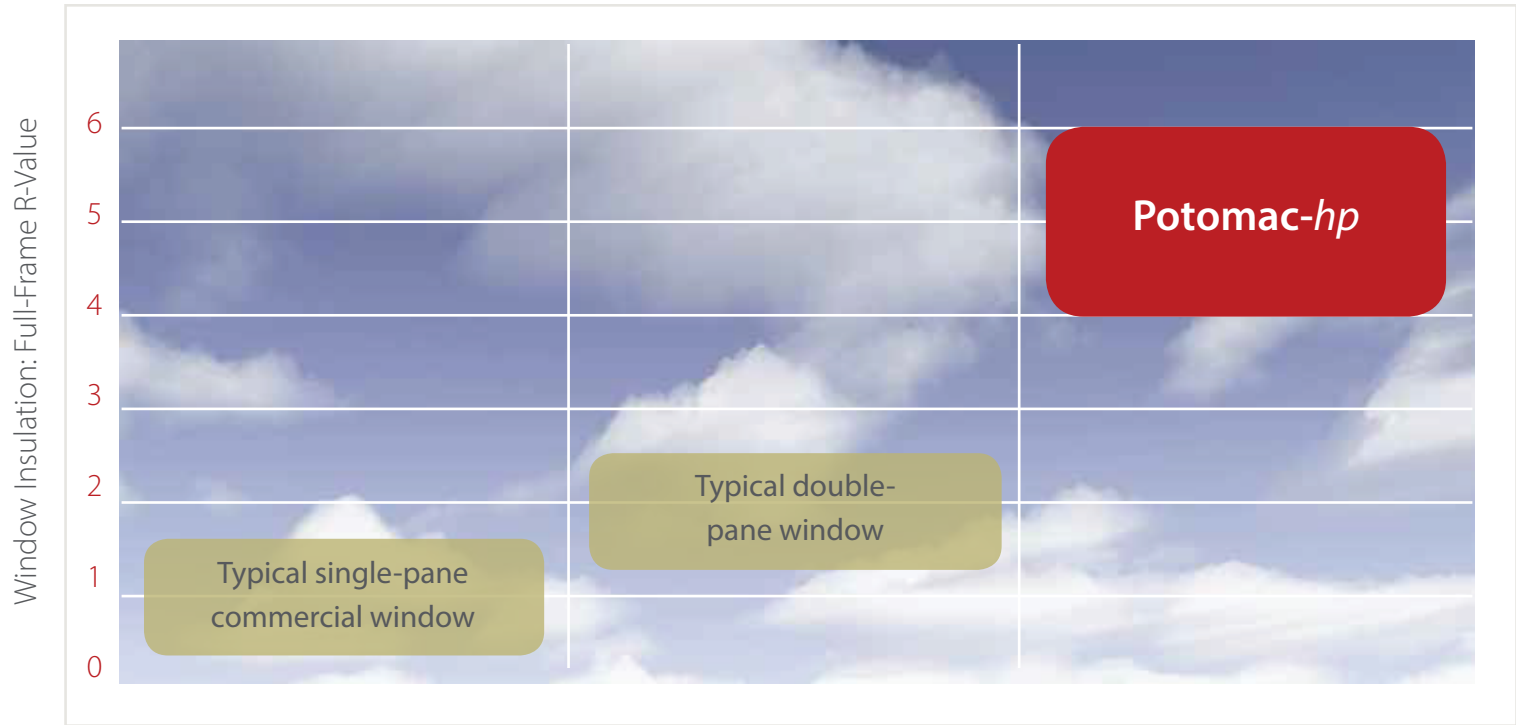
ENERGY SAVER R5 w/ TripleSilverLoE™

Double-paned with one pane of high-performance TripleSilverLoE glass and one pane of high-performance 4th surface Low-E glass

- Argon gas-filled insulated glass unit
- VyFoam™ insulated frame and sash
- Duralite® Warm Edge Spacer System

 VYTEX CORPORATION VINYL FRAME (6200-DH) DUAL GLAZE • ARGON • R5 DUAL LOWE TRIPLE SILVER VERTICAL SLIDER WINDOW VYW-A-44-00563-00001	
ENERGY PERFORMANCE RATING	
U-Factor (U.S./I-P)	Solar Heat Gain Coefficient
0.22	0.20
ADDITIONAL PERFORMANCE RATINGS	
Visible Transmittance	Air Leakage (U.S./I-P)
0.47	≤0.3

Our Low-E glass regulates your home's temperature to help keep you cool when it's hot and warm when it's not. Can't bear the heat? Can't stand the cold? No worries—inside, life is good. Get comfortable—it's time for your glass to go to work.



Super Spacer™ System



Spacers play an integral role in window performance and can significantly boost the energy efficiency of your windows. Our Super Spacer™ system outperforms all the rest, dependably delivering high performance for insulating glass units, including excellent resistance to ozone, weathering, water, and aging while maintaining its flexibility through wide changes in temperature and barometric pressure.

Air Infiltration Comparison

	INDUSTRY STANDARD	TRADITIONAL WOOD RESIDENTIAL DOUBLE HUNG WINDOWS	TRADITIONAL VINYL RESIDENTIAL HIGH-PERFORMANCE, DOUBLE HUNG	POTOMAC- <i>hp</i> SERIES
1 CFM OF AIR LEAKAGE PER MINUTE	.30 CFM OF AIR LEAKAGE PER MINUTE	.23 CFM OF AIR LEAKAGE PER MINUTE	.15 CFM OF AIR LEAKAGE PER MINUTE	.03 CFM OF AIR LEAKAGE PER MINUTE
7.5 GALLONS OF AIR PER MINUTE	2.25 GALLONS OF AIR PER MINUTE	1.725 GALLONS OF AIR PER MINUTE	1.125 GALLONS OF AIR PER MINUTE	.22 GALLONS OF AIR PER MINUTE
80 COFFEE CUPS OF AIR PER MINUTE (960 OZ/MIN)	24 COFFEE CUPS OF AIR PER MINUTE (288 OZ/MIN)	18.4 COFFEE CUPS OF AIR PER MINUTE (220.8 OZ/MIN)	12 COFFEE CUPS OF AIR PER MINUTE (144 OZ/MIN)	2.4 COFFEE CUPS OF AIR PER MINUTE (28.2 OZ/MIN)

*References valid as of October 1, 2010 based on our competitors' websites and independent testing. **Industry Standard: The window & door industry adheres to standards set by FGIA® (Fenestration & Glazing Industry Alliance®). Per FGIA, the industry standard for Maximum Allowable Air Infiltration is 0.30 CFM (Cubic feet per minute) during a 25 mph wind. This is the equivalent of 2.25 gallons or 24 coffee cups of air escaping through the window every minute.

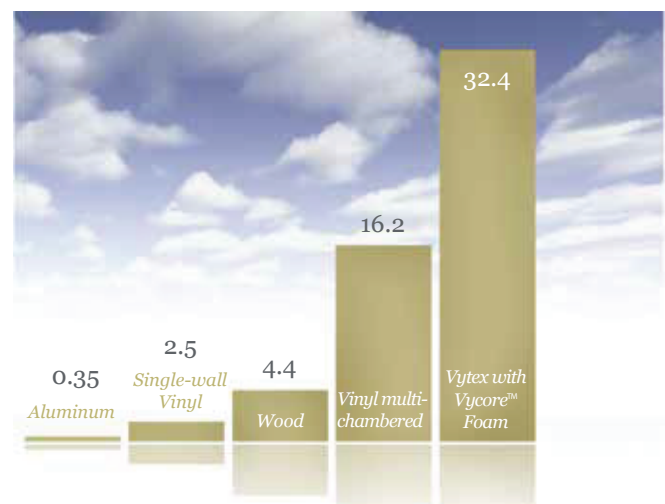
Overall Window U-value

NUMBER = U-VALUE



The lower the U-value, the greater your protection from heat loss through your windows.

R-value for Window Frame Materials



The higher the R-value, the higher the insulation value of the window—and the greater the comfort and energy efficiency of your home! (Note: Data represents performance for a 12" piece of frame material.)

VyCore™

In thermal tests, Potomac-hp Series VyCore™ outperforms Aluminum and Steel. The new VyCore™ Reinforcement provides the same advantages as metal reinforcements, but without the constraints that steel and aluminum reinforcements have.

Potomac hp® VyCore™
Reinforcement performs

533 times

better than Aluminum



*Competitor window
with Aluminum*



Potomac hp VyCore™

Potomac hp® VyCore™
Reinforcement performs

160 times

better than Steel



*Competitor window
with Steel*



Potomac hp VyCore™

VyClear™ Extruded Aluminum Screen

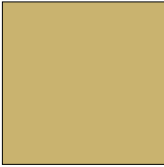
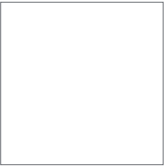
Our windows come standard with extruded aluminum screens featuring HD VyClear™ mesh. Our screens are easy to install and remove and have long-lasting durability. VyClear™ Screens are designed to maximize your outlook by making the view sharper and more brilliant. Think of it as “High Definition” fiberglass insect screening.



The Elegance of VyWood™



Color Options



WHITE

BEIGE

INTERIOR COLORS

Special formula PVC never needs painting, makes cleaning a snap, and prevents scratching or denting.

EXTERIOR COLORS

VyCoat™ Exterior Coating System
Add durability and long-lasting beauty with this environmentally friendly, low-maintenance color coating system.





(colors are as true as printing inks allow and may differ from actual product colors.)

OPTIONAL INTERIOR VYWOOD™ LAMINATES



BRAZILIAN CHERRY

CHERRY

MEDIUM OAK

Grid Design

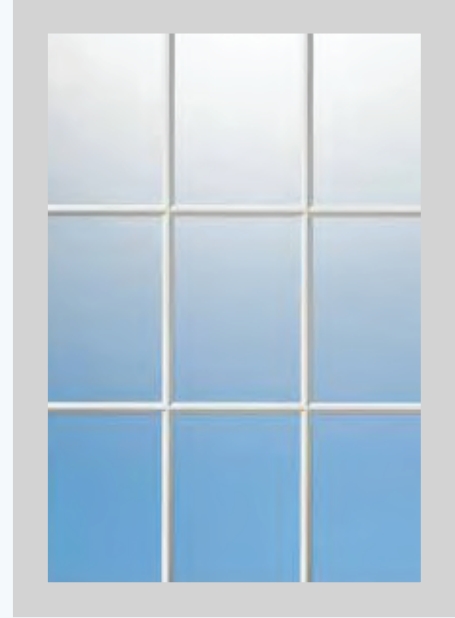
Traditional Grids



DIAMOND



PRAIRIE



COLONIAL

Additional patterns available

Grid Details



FLAT



CONTOUR



SIMULATED DIVIDED LITE (SDLs)

The Industry's strongest warranty and highest quality testing process

Our Warranty

No more worries. Your windows are covered forever.* Look at the terms of our Limited Lifetime Warranty. Lifetime coverage for the sash and frame, and lifetime coverage for the locks and other hardware. But that's not all. *Potomac-hp* Series windows come with a lifetime glass breakage warranty as well. A warranty this strong demonstrates our confidence and it's your assurance of value now and in the future.

Our Testing Facility

Our certified on-site testing facility ensures our windows perform at the highest industry fenestration standards.



Installing/Finishing Replacement Windows

Purchasing quality replacement windows is crucial, but it's only step one. Seeing your new windows properly installed is arguably more important.



Window Nation utilizes the most highly skilled and trained individuals who specifically specialize in the installation of only windows and doors. Since every installer undergoes weeks of training and is certified by the factory you are ensured there will never be finger pointing if a warranty issue arises. They are true experts in their field with the average installation team completing over 20,000 window installations.



Over 2 million windows installed with 96% requiring no follow up service

Independent surveys show our customers rate our installation crews at 96% on cleanliness and safety.

Our installers complete over 2,400 hours of installer training across the company yearly.

It's critical that all the pieces that go into your new window installation work together—insulation, sealants and the window itself. There is only one “system” of installation materials in North America that is specifically designed to be compatible with the windows, your house, and with each product in the system; and it is used on every install we complete. A perfect installation requires the use of these premium allied materials to ensure an air and water tight seal that lasts.



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