


## THERMAL PERFORMANCE PACKAGES

**HEATSEAL®**  
VINYL FRAME • LOW-E GLASS  
3/4" DOUBLE PANE IGU • ARGON GAS (90)  
*No Grids*

 **Okna Windows & Doors**  
215-788-7000  
DH400 Replacement Double Hung Precision Weld (DH400)  
Vinyl Frame • 3/4" Insulated Glass Unit • Low-E  
High Perf. Glass with Argon Gas  
Vertical Slider Window

**ENERGY PERFORMANCE RATINGS**


U-Factor (U.S./I-P)	Solar Heat Gain Coefficient
<b>0.29</b>	<b>0.29</b>

**ADDITIONAL PERFORMANCE RATINGS**

Visible Transmittance	Air Leakage (U.S./I-P)
<b>0.53</b>	<b>≤ 0.3</b>

Manufacturer stipulates that these ratings conform to applicable NFRC procedures for determining whole product performance. NFRC ratings are determined for a fixed set of environmental conditions and specific product size. NFRC does not recommend any product and does not warrant the suitability of any product for any specific use. Consult Manufacturer's literature for other product performance information. www.nfrc.org

**HEATSEAL® DELUXE**  
VINYL FRAME • FOAM FILL • LOW-E GLASS  
3/4" DOUBLE PANE IGU • ARGON GAS (90)  
*No Grids, Locking Screen*

 **Okna Windows & Doors**  
215-788-7000  
DH400 Welded Double Hung Precision Weld Deluxe (DH400dx)  
Vinyl Frame Foam Filled • 3/4" Insulated Glass Unit  
• Low-E High Perf. Glass with Argon Gas  
Vertical Slider Window

**ENERGY PERFORMANCE RATINGS**


U-Factor (U.S./I-P)	Solar Heat Gain Coefficient
<b>0.27</b>	<b>0.29</b>

**ADDITIONAL PERFORMANCE RATINGS**

Visible Transmittance	Air Leakage (U.S./I-P)
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**HEATSEAL® TRIPLE DELUXE XR9**  
VINYL FRAME • FOAM FILL • LOW-E GLASS  
15/16" TRIPLE PANE IGU • ARGON GAS (90)  
*No Grids, Locking Screen*

 **Okna Windows & Doors**  
215-788-7000  
DH400 Welded Double Hung Precision Weld Deluxe (DH400dx)  
Vinyl Frame Foam Filled • 15/16" Insulated Glass  
Unit • Triple Low-E IG + Argon Gas  
Vertical Slider Window


**ENERGY PERFORMANCE RATINGS**

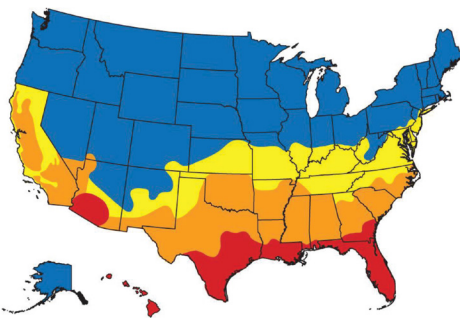
U-Factor (U.S./I-P)	Solar Heat Gain Coefficient
<b>0.21</b>	<b>0.25</b>

**ADDITIONAL PERFORMANCE RATINGS**

Visible Transmittance	Air Leakage (U.S./I-P)
<b>0.42</b>	<b>≤ 0.3</b>

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 **QUALIFICATION:** ■ Northern ■ North-Central




- Northern
- North-Central
- South-Central
- Southern



**OKNA Windows**  
400 Crossings Drive  
Bristol, PA 19007  
P 215-788-7000  
F 215-781-1166  
oknawindows.com

**SUNSEAL®**  
VINYL FRAME • HIGH PERF. GLASS  
3/4" DOUBLE PANE IGU • ARGON GAS (90)  
*No Grids*

 **Okna Windows & Doors**  
215-788-7000  
DH400 Replacement Double Hung Precision Weld (DH400)  
Vinyl Frame • 3/4" Insulated Glass Unit • Sun Seal  
High Perf. Glass + Argon Gas  
Vertical Slider Window


**ENERGY PERFORMANCE RATINGS**

U-Factor (U.S./I-P)	Solar Heat Gain Coefficient
<b>0.29</b>	<b>0.21</b>


**ADDITIONAL PERFORMANCE RATINGS**

Visible Transmittance	Air Leakage (U.S./I-P)
<b>0.42</b>	<b>≤ 0.3</b>

Manufacturer stipulates that these ratings conform to applicable NFRC procedures for determining whole product performance. NFRC ratings are determined for a fixed set of environmental conditions and specific product size. NFRC does not recommend any product and does not warrant the suitability of any product for any specific use. Consult Manufacturer's literature for other product performance information. www.nfrc.org

 **QUALIFICATION:** ■ Southern

**HEATSEAL® TRIPLE DELUXE XR10**  
VINYL FRAME • FOAM FILL • LOW-E GLASS  
15/16" TRIPLE PANE IGU • KRYPTON GAS (90)  
*No Grids, Locking Screen*

 **Okna Windows & Doors**  
215-788-7000  
DH400 Welded Double Hung Precision Weld Deluxe (DH400dx)  
Vinyl Frame Foam Filled • 15/16" Insulated Glass  
Unit • Triple Low-E IG + Krypton Gas  
Vertical Slider Window


**ENERGY PERFORMANCE RATINGS**

U-Factor (U.S./I-P)	Solar Heat Gain Coefficient
<b>0.17</b>	<b>0.25</b>

**ADDITIONAL PERFORMANCE RATINGS**

Visible Transmittance	Air Leakage (U.S./I-P)
<b>0.42</b>	<b>≤ 0.3</b>

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 **QUALIFICATION:** ■ Northern ■ North-Central

## THERMAL PERFORMANCE PACKAGES

	U-Value	SHGC	VT	Condensation Resistance
<b>CLEAR/CLEAR</b>	<b>0.46</b>	<b>0.61</b>	<b>0.62</b>	<b>45</b>
<b>HEATSEAL®</b>	<b>0.29</b>	<b>0.29</b>	<b>0.53</b>	<b>62</b>
<b>HEATSEAL® DELUXE</b>	<b>0.27</b>	<b>0.29</b>	<b>0.53</b>	<b>62</b>
<b>HEATSEAL® TRIPLE DELUXE XR9</b> (15/16" - Argon Gas)	<b>0.21</b>	<b>0.25</b>	<b>0.42</b>	<b>72</b>
<b>HEATSEAL® TRIPLE DELUXE XR10</b> (15/16" - Krypton Gas)	<b>0.17</b>	<b>0.25</b>	<b>0.42</b>	<b>76</b>
<b>SUNSEAL®</b>	<b>0.29</b>	<b>0.21</b>	<b>0.42</b>	<b>62</b>
<b>SUNSEAL® DELUXE</b>	<b>0.27</b>	<b>0.21</b>	<b>0.42</b>	<b>62</b>

Numbers are based off of windows tested without grids. For windows with grids, please contact your certified dealer to obtain thermal performance numbers.

When you purchase a window or patio door that is advertised as the most energy efficient, you want to be sure the claims are based on facts, certified by a truly independent and objective authority. Their unbiased test results allow homeowners to make a more educated choice.

All OKNA windows and doors meet rigorous North American Fenestration Standard (NAFS).

Certification is performed by **The Keystone Certification Program** that is ANSI-accredited to ensure that our products are manufactured as represented by their certifications, which are based on tests performed by accredited laboratories in accordance with the AAMA/WDMA/CSA 101/IS2/A440 – North American Fenestration Standard (NAFS). The NAFS standard defines a rating scale for fenestration product performance, and requires that components used in window & door assemblies also meet stringent component standards. Certification includes annual inspections to ensure the factory quality management system also meets rigid standards – that translates to homeowner peace of mind.

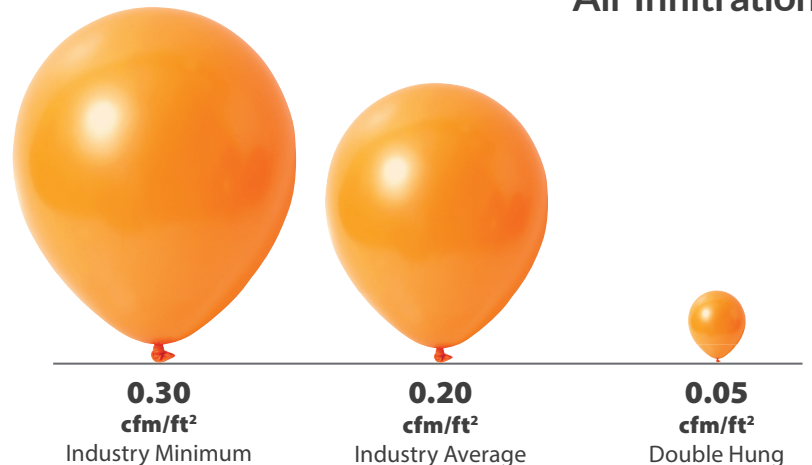


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Bristol, PA 19007  
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## STRUCTURAL PERFORMANCE

	Industry Minimum	OKNA DH400	Comparison to Industry Minimum
<b>NAFS Rating</b> Residential Grade Performance for air/water/structural.	R15	<b>R50</b>	
<b>Air Infiltration (cfm/ft<sup>2</sup>)</b> at speeds of 25mph.	0.3	<b>0.05</b>	<b>600% better</b>
<b>Water Penetration (mph)</b> 8" per hour.	33	<b>56</b>	<b>70% better</b>
<b>Structural Integrity Design Pressure (mph)</b> Wind (mph) durability before breaking.	94	<b>171</b>	<b>82% better</b>

## Air Infiltration



The results are based on a tested window sample by AAMA testing window guidelines. Title of Test & Method: Air Infiltration - ASTM E 283 75 PA - (1.6 psf) 25 mph