

# Precision Weld


By OKNA Windows

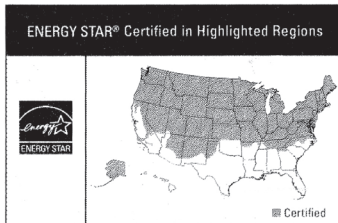
Double Hung

400 SERIES

## HEATSEAL® BASIC PACKAGE -ARGON GAS

Double Pane Glass Unit  
No Foam  
Without Grids

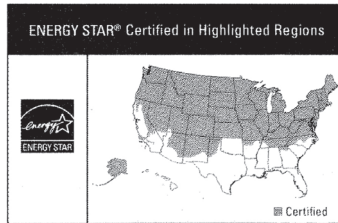
 <b>Okna Windows &amp; Doors</b> 215-788-7000 DH400 Replacement Double Hung Precision Weld (DH400) Vinyl Frame • 3/4" Insulated Glass Unit • Low-E High Perf. Glass with Argon Gas Vertical Slider Window OKW - K - 22 - 00014 - 00001	
<b>ENERGY PERFORMANCE RATINGS</b>	
U-Factor (U.S./I-P)	Solar Heat Gain Coefficient
<b>0.28</b>	<b>0.29</b>
<b>ADDITIONAL PERFORMANCE RATINGS</b>	
Visible Transmittance	Air Leakage (U.S./I-P)
<b>0.53</b>	<b>≤ 0.3</b>
<small>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</small>	



## HEATSEAL® DELUXE PACKAGE -ARGON GAS


Double Pane Glass Unit  
Foam Filled Extrusions  
Without Grids

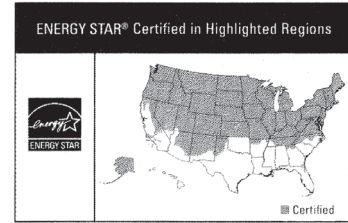
 <b>Okna Windows &amp; Doors</b> 215-788-7000 DH400 Welded Double Hung Precision Weld Deluxe (DH400dx) Vinyl Frame Foam Filled • 3/4" Insulated Glass Unit • Low-E High Perf. Glass with Argon Gas Vertical Slider Window OKW - K - 22 - 00019 - 00001	
<b>ENERGY PERFORMANCE RATINGS</b>	
U-Factor (U.S./I-P)	Solar Heat Gain Coefficient
<b>0.26</b>	<b>0.29</b>
<b>ADDITIONAL PERFORMANCE RATINGS</b>	
Visible Transmittance	Air Leakage (U.S./I-P)
<b>0.53</b>	<b>≤ 0.3</b>
<small>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</small>	



## HEATSEAL® SUPER DELUXE -ARGON GAS


Triple Pane Glass Unit  
Foam Filled Extrusions  
Without Grids

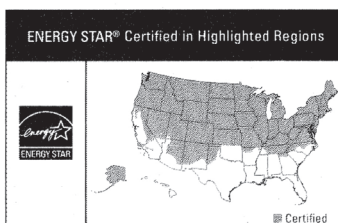
 <b>Okna Windows &amp; Doors</b> 215-788-7000 DH400 Welded Double Hung Precision Weld Deluxe (DH400dx) Vinyl Frame Foam Filled • 1 5/16" Insulated Glass Unit • Triple Low-E IG + Argon Gas Vertical Slider Window OKW - K - 22 - 00020 - 00001	
<b>ENERGY PERFORMANCE RATINGS</b>	
U-Factor (U.S./I-P)	Solar Heat Gain Coefficient
<b>0.20</b>	<b>0.25</b>
<b>ADDITIONAL PERFORMANCE RATINGS</b>	
Visible Transmittance	Air Leakage (U.S./I-P)
<b>0.42</b>	<b>≤ 0.3</b>
<small>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</small>	



## HEATSEAL® SUPER DELUXE K -KRYPTON GAS

Triple Pane Glass Unit  
Foam Filled Extrusions  
Without Grids

 <b>Okna Windows &amp; Doors</b> 215-788-7000 DH400 Welded Double Hung Precision Weld Deluxe (DH400dx) Vinyl Frame Foam Filled • 1 5/16" Insulated Glass Unit • Triple Low-E IG + Krypton Gas Vertical Slider Window OKW - K - 22 - 00016 - 00001	
<b>ENERGY PERFORMANCE RATINGS</b>	
U-Factor (U.S./I-P)	Solar Heat Gain Coefficient
<b>0.16</b>	<b>0.25</b>
<b>ADDITIONAL PERFORMANCE RATINGS</b>	
Visible Transmittance	Air Leakage (U.S./I-P)
<b>0.42</b>	<b>≤ 0.3</b>
<small>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</small>	



## SUNSEAL BASIC PACKAGE -ARGON GAS

Double Pane Glass Unit  
No Foam  
Without Grids

 <b>Okna Windows &amp; Doors</b> 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 OKW - K - 22 - 00014 - 00003	
<b>ENERGY PERFORMANCE RATINGS</b>	
U-Factor (U.S./I-P)	Solar Heat Gain Coefficient
<b>0.28</b>	<b>0.21</b>
<b>ADDITIONAL PERFORMANCE RATINGS</b>	
Visible Transmittance	Air Leakage (U.S./I-P)
<b>0.42</b>	<b>≤ 0.3</b>
<small>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</small>	



**The ENERGY STAR Most Efficient** designation is an extension of the ENERGY STAR® brand and is designed to recognize and advance the most efficient products among those that qualify for the ENERGY STAR. This recognition is offered for specific categories and awarded for a specific year. The goal of this effort is to encourage new, more energy-efficient products into the market more quickly by targeting early adopters. Each year, EPA will establish criteria for specific product categories to earn Most Efficient recognition. Products that are recognized as ENERGY STAR Most Efficient must already qualify for the ENERGY STAR label.



**OKNA Windows proudly displays ENERGY STAR MOST EFFICIENT on our products.**

## Thermal Performance

	U-Value	SHGC	VT	Condensation Resistance
<b>Clear/Clear</b>	0.45	0.61	0.62	45
<b>HeatSeal Basic Package</b>	0.28	0.29	0.53	62
<b>Deluxe HeatSeal ESP</b>	0.26	0.29	0.53	62
<b>Deluxe HeatSeal Super ESP w/Argon Gas (XR15 - 1-1/16")</b>	0.20	0.25	0.42	72
<b>Deluxe HeatSeal Super ESP w/ Krypton Gas (XR10 - 15/16")</b>	0.16	0.25	0.42	76
<b>SunSeal Basic Package</b>	0.28	0.21	0.42	62
<b>Deluxe SunSeal ESP</b>	0.26	0.21	0.42	62

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

**W**hen 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 educate purchasers allowing them to make a more educated choice.



**American Architectural Manufacturers Association**

The AAMA Certification Program is the only program in the

window and door industry that requires that components used in the finished window and door assembly pass their own set of performance tests. The program also requires the use of AAMA-accredited certification agencies, such as Keystone Certifications Inc., so that tests are performed by qualified, experienced professionals using properly calibrated equipment. Also, there are two surprise manufacturing plant inspections every year that offer added quality assurance that translates to peace of mind.

If you demand windows and doors that meet stringent performance standards, just look for the AAMA/Keystone Certification Label which tells you that a sample of the unit passed required performance tests for resistance to air leakage, water penetration and wind pressure. Okna Windows is using Keystone Certifications Inc. for AAMA testing and ratings. For more information on our window testing, go to [www.keystonecerts.com](http://www.keystonecerts.com).

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

## Structural Performance

	Industry Minimum	OKNA 400 DH	Comparison to Industry Minimum
<b>AAMA Rating</b>	R15	R50	
<b>Air Infiltration (cfm/ft<sup>2</sup>) at speed of 25 mph</b>	0.3	<b>0.05</b>	<b>600% better</b>
<b>Water Penetration (mph) 8" per hour</b>	33	<b>56</b>	<b>70% better</b>
<b>Structural Integrity (mph) Wind Load</b>	94	<b>171</b>	<b>82% better</b>

## Air Infiltration

