

# Enviro-Star


By OKNA Windows

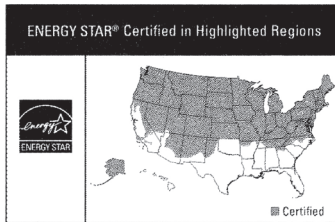
# Double Hung

# 800 SERIES

## HEATSEAL® DELUXE PACKAGE -ARGON GAS

Double Pane Glass Unit  
Foam Filled Extrusions  
Without Grids

 <b>Okna Windows &amp; Doors</b> 215-788-7000 DH800dx Double Hung Welded Enviro-Star Deluxe (DH800dx) Vinyl Frame Foam Filled • 3/4" Insulated Glass Unit • Low-E High Perf. Glass with Argon Gas Vertical Slider Window OKW-K-23-00031-00001	
<b>ENERGY PERFORMANCE RATINGS</b>	
U-Factor (U.S./I-P) <b>0.26</b>	Solar Heat Gain Coefficient <b>0.29</b>
<b>ADDITIONAL PERFORMANCE RATINGS</b>	
Visible Transmittance <b>0.52</b>	Air Leakage (U.S./I-P) <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 DH800dx Double Hung Welded Enviro-Star Deluxe (DH800dx) Vinyl Frame Foam Filled • 1 5/16" Insulated Glass Unit • Triple Low-E IG + Argon Gas Vertical Slider Window OKW-K-23-00032-00001	
<b>ENERGY PERFORMANCE RATINGS</b>	
U-Factor (U.S./I-P) <b>0.20</b>	Solar Heat Gain Coefficient <b>0.25</b>
<b>ADDITIONAL PERFORMANCE RATINGS</b>	
Visible Transmittance <b>0.41</b>	Air Leakage (U.S./I-P) <b>≤ 0.3</b>
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## HEATSEAL® SUPER DELUXE K -KRYPTON GAS



Triple Pane Glass Unit  
Foam Filled Extrusions  
Without Grids

 <b>Okna Windows &amp; Doors</b> 215-788-7000 DH800dx Double Hung Welded Enviro-Star Deluxe (DH800dx) Vinyl Frame Foam Filled • 1 5/16" Insulated Glass Unit • Triple Low-E IG + Krypton Gas Vertical Slider Window OKW-K-23-00033-00001	
<b>ENERGY PERFORMANCE RATINGS</b>	
U-Factor (U.S./I-P) <b>0.16</b>	Solar Heat Gain Coefficient <b>0.25</b>
<b>ADDITIONAL PERFORMANCE RATINGS</b>	
Visible Transmittance <b>0.41</b>	Air Leakage (U.S./I-P) <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 DELUXE PACKAGE -ARGON GAS

Double Pane Glass Unit  
Foam Filled Extrusions  
Without Grids

 <b>Okna Windows &amp; Doors</b> 215-788-7000 DH800 Double Hung Welded Enviro-Star (DH800) Vinyl Frame Foam Filled • 3/4" Insulated Glass Unit • Sun Seal High Perf. Glass + Argon Gas Vertical Slider Window OKW-K-23-00031-00003	
<b>ENERGY PERFORMANCE RATINGS</b>	
U-Factor (U.S./I-P) <b>0.26</b>	Solar Heat Gain Coefficient <b>0.21</b>
<b>ADDITIONAL PERFORMANCE RATINGS</b>	
Visible Transmittance <b>0.41</b>	Air Leakage (U.S./I-P) <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>	
 <b>ENERGY STAR® Certified</b> in All 50 States	

**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
Clear/Clear	0.44	0.59	0.61	45
HeatSeal Basic Package	0.27	0.29	0.52	62
Deluxe HeatSeal ESP	0.26	0.29	0.52	62
Deluxe HeatSeal Super ESP w/Argon Gas (XR15 - 1-1/16")	0.20	0.25	0.41	73
Deluxe HeatSeal Super ESP w/ Krypton Gas (XR10 - 15/16")	0.16	0.25	0.41	77
SunSeal Basic Package	0.27	0.21	0.41	62
Deluxe SunSeal ESP	0.26	0.21	0.41	63

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).

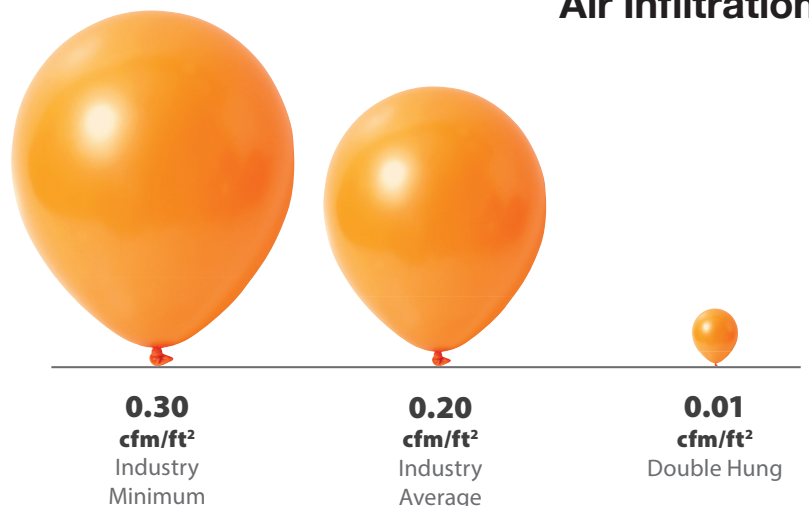
Certification is performed by **The Keystone Certification Program** that is ANSI-accredited to ensure that our products are manufactured as represented by their certifications, which are based on tests performed by accredited laboratories in accordance with the AAMA/WDMA/CSA 101/IS2/A440 – North American 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.



## Structural Performance

	Industry Minimum	OKNA 800 DH	Comparison to Industry Minimum
NAFS Rating	R15	R60	
Air Infiltration (cfm/ft <sup>2</sup> ) at speed of 25 mph	0.3	0.01	30 times better
Water Penetration (mph) 8" per hour	33	59	79% better
Structural Integrity (mph) Wind Load	94	187	99% better

## 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