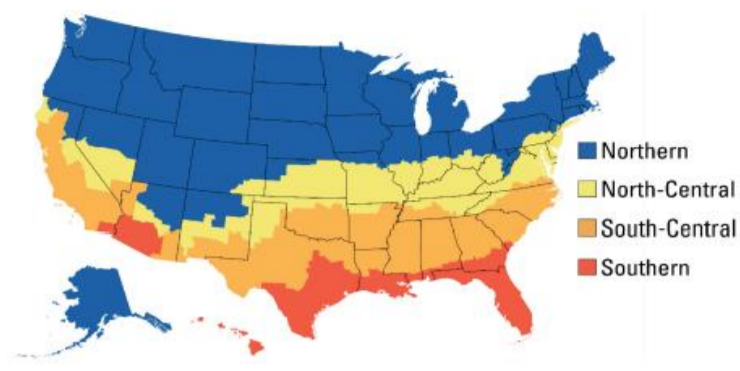



US Qualification Criteria	Climate Zone	U-Value	SHGC	
 <p>Energy Star Version 7.0 Starting October 2023</p>	Northern	<=0.22	>=0.17	Prescriptive
		=0.23	>=0.35	Equivalent Energy Performance
		=0.24	>=0.40	
		=0.25		
		=0.26		
	North-Central	<=0.25	<=0.40	
South-Central	<=0.28	<=0.23		
Southern	<=0.32	<=0.23		

Canadian Qualification Criteria	U-Value	or	Energy Rating
 <p>Energy Star Version 5.0 starting January 2020</p>	<=1.22		>=34
	Air Leakage <= 1.5 L/s/m2		

**U-Value**

A measurement of how much energy a material conducts. The lower the U-Value, the greater the insulating effect.

**Solar Heat Gain Coefficient (SHGC)**

Measures how well a window or door prevents heat from passing through it. The lower a window or door's SHGC, the less heat it allows to pass through it.

**Visible Light Transmittance**

The amount of light in the visible portion of the spectrum that passes through a glazing material.

**Condensation Resistance Rating**

Measures how well a window resists the formation of condensation on the inside surface. The higher the number the better resistance to condensation.

**Energy Rating**

A value demonstrating the balance between U-Value, SHGC and air leakage. The higher the number, the more efficient the product.

**R-Value**

A measurement of how much a material resists heat transfer. A higher R-Value means a greater insulating effect and a lower rate of heat flow out of the home. While **R-value** measures resistance to heat transfer, **U-value** measures the rate of heat transfer. In simple terms, **U-value** is the mathematical reciprocal of **R-value**; that is, **U = 1/R and R = 1/U**.

<sup>a</sup> Total Unit calculations are derived from computer simulations that are then verified by 3rd party testing in accordance with NFRC 100, NFRC 200, and NFRC 500.

<sup>b</sup> Published values reflect 3mm glass lite thicknesses.

ENERGY PERFORMANCE DATA								CANADIAN ENERGY PERFORMANCE DATA								
Classic Double Hung Windows - Operating								ENERGY STAR								
Grille Option	Glazing thickness	<sup>a</sup> NFRC Total Unit Calculations <sup>b</sup> Glazing Option	CPD #	U-Value	Solar Heat Gain Coefficient	Visible Light Transmittance	Condensation Resistance Rating	US ENERGY STAR V 7.0				U-Value (metric)	Maximum Air Leakage L/s/m2	Air Infiltration/Exfiltration Average	Energy Rating	CANADA ENERGY STAR v 5.0
								N	NC	SC	S					
No GIA or SDL	3/4"	Insul Low-E	PEL-N-35-00526-00001	0.33	0.30	0.56	52					1.87	1.5	0.05	16	
	3/4"	Insul Low E w/Argon	PEL-N-35-00517-00001	0.30	0.30	0.56	55					1.70	1.5	0.05	20	
	3/4"	Low-E Extreme	PEL-N-35-00544-00001	0.28	0.29	0.55	40					1.59	1.5	0.05	22	
	3/4"	Low E Extreme w/Argon	PEL-N-35-00535-00001	0.26	0.29	0.55	44					1.48	1.5	0.05	24	
	3/4"	Passive Solar Low-E	PEL-N-35-00490-00001	0.34	0.55	0.63	51					1.93	1.5	0.05	29	
	3/4"	Passive Solar Low-E w/Argon	PEL-N-35-00481-00001	0.30	0.55	0.63	54					1.70	1.5	0.05	34	Y
	3/4"	Passive Solar Low-E Extreme	PEL-N-35-00508-00001	0.29	0.50	0.62	40					1.65	1.5	0.05	33	
	3/4"	Passive Solar Low-E Extreme w/Argon	PEL-N-35-00499-00001	0.26	0.50	0.62	43	Y				1.48	1.5	0.05	36	Y
	3/4"	Zo-e-shield 5	PEL-N-35-00562-00001	0.33	0.23	0.52	52					1.87	1.5	0.05	12	
	3/4"	Zo-e-shield 5 w/ Argon	PEL-N-35-00553-00001	0.29	0.22	0.52	55				Y	1.65	1.5	0.05	16	
	3/4"	Zo-e-shield 5 Extreme	PEL-N-35-00580-00001	0.28	0.22	0.51	41			Y	Y	1.59	1.5	0.05	18	
	3/4"	Zo-e-shield 5 Extreme w/ Argon	PEL-N-35-00571-00001	0.25	0.22	0.51	44		Y	Y	Y	1.42	1.5	0.05	22	
Less Than 1" GIA or SDL	3/4"	Insul Low-E	PEL-N-35-00527-00001	0.33	0.27	0.50	52					1.87	1.5	0.05	15	
	3/4"	Insul Low E w/Argon	PEL-N-35-00518-00001	0.30	0.27	0.50	55					1.70	1.5	0.05	18	
	3/4"	Low-E Extreme	PEL-N-35-00545-00001	0.28	0.26	0.49	40					1.59	1.5	0.05	20	
	3/4"	Low E Extreme w/Argon	PEL-N-35-00536-00001	0.26	0.26	0.49	44					1.48	1.5	0.05	23	
	3/4"	Passive Solar	PEL-N-35-00491-00001	0.34	0.49	0.57	51					1.93	1.5	0.05	26	
	3/4"	Passive Solar w/Argon	PEL-N-35-00482-00001	0.30	0.49	0.57	54					1.70	1.5	0.05	31	
	3/4"	Passive Solar Extreme	PEL-N-35-00509-00001	0.29	0.45	0.55	40					1.65	1.5	0.05	30	
	3/4"	Passive Solar Extreme w/Argon	PEL-N-35-00500-00001	0.26	0.45	0.55	43	Y				1.48	1.5	0.05	33	
	3/4"	Zo-e-shield 5	PEL-N-35-00563-00001	0.33	0.20	0.46	52					1.87	1.5	0.05	11	
	3/4"	Zo-e-shield 5 w/ Argon	PEL-N-35-00554-00001	0.29	0.20	0.46	55				Y	1.65	1.5	0.05	15	
	3/4"	Zo-e-shield 5 Extreme	PEL-N-35-00581-00001	0.28	0.20	0.45	41			Y	Y	1.59	1.5	0.05	17	
	3/4"	Zo-e-shield 5 Extreme w/ Argon	PEL-N-35-00572-00001	0.25	0.20	0.45	44		Y	Y	Y	1.42	1.5	0.05	20	