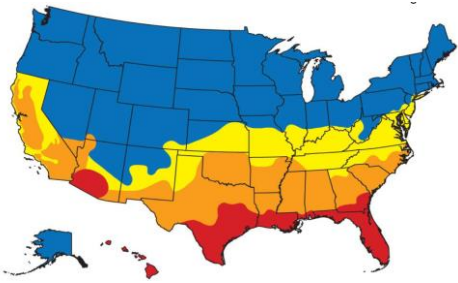


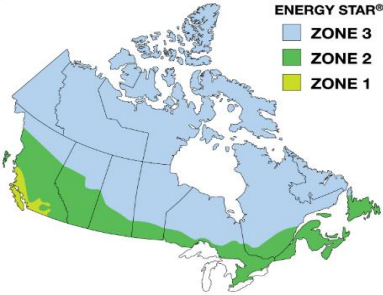
Thermal Performance Data

Premium Lift & Slide Door (8716)

WEATHER SHIELD.

WINDOWS & DOORS

US Qualification Criteria	Climate Zone	U-Value	SHGC
 <p>As of January 2016</p>	Northern	<=0.30	<=0.40
	North-Central		<=0.25
	South-Central		
	Southern		

Canadian Qualification Criteria	Climate Zone	U-Value	or	Energy Rating
 <p>As of February 2015</p>	Zone 1	<=1.60		>=25
	Zone 2	<=1.40		>=29
	Zone 3	<=1.20		>=34
	Air Leakage <= 0.3 cfm/ft2			

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**.

^a 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.

^b Published values reflect 3mm/3mm glass lite thicknesses.

ENERGY PERFORMANCE DATA

Premium Lift & Slide Door (8716)



US
ENERGY STAR V
6.0

CANADIAN ENERGY
PERFORMANCE DATA



CANADA
ENERGY
STAR v 4.1

Grille Option	Glazing thickness	³NFRC Total Unit Calculations ⁴Glazing Option	CPD #	U-Value	Solar Heat Gain Coefficient	Visible Light Transmittance	Condensation Resistance Rating	US ENERGY STAR V 6.0				U-Value (metric)	Maximum Air Leakage Ls/m²	Air Infiltration/Exfiltration Average	Energy Rating	CANADA ENERGY STAR v 4.1		
								N	NC	SC	S					1	2	3
No GIA or SDL	1"	Clear Insul	WEA-N-318-00636-00001	0.51	0.50	0.51	42					2.90	-	0.00	0			
	1"	Insul Low-E	WEA-N-318-00637-00001	0.40	0.25	0.44	51					2.27	-	0.00	0			
	1"	Insul Low E w/Argon	WEA-N-318-00643-00001	0.37	0.25	0.44	54					2.10	-	0.00	0			
	1"	Passive Solar	WEA-N-318-00520-00001	0.41	0.44	0.50	51					2.33	-	0.00	0			
	1"	Passive Solar w/Argon	WEA-N-318-00532-00001	0.38	0.44	0.50	54					2.16	-	0.00	0			
	1"	Passive Solar Extreme	WEA-N-318-00521-00001	0.36	0.40	0.49	41					2.04	-	0.00	0			
	1"	Passive Solar Extreme w/Argon	WEA-N-318-00533-00001	0.34	0.40	0.49	44					1.93	-	0.00	0			
	1"	Zo-e-shield 5	WEA-N-318-00638-00001	0.40	0.17	0.38	51					2.27	-	0.00	0			
	1"	Zo-e-shield 5 w/ Argon	WEA-N-318-00644-00001	0.37	0.17	0.38	54					2.10	-	0.00	0			
	1"	Zo-e-shield 5 Extreme	WEA-N-318-00519-00001	0.35	0.18	0.40	42					1.99	-	0.00	0			
	1"	Zo-e-shield 5 Extreme w/ Argon	WEA-N-318-00531-00001	0.33	0.18	0.40	45					1.87	-	0.00	0			
	1"	Zo-e-shield 6	WEA-N-318-00598-00001	0.39	0.18	0.40	51					2.21	-	0.00	0			
	1"	Zo-e-shield 6 w/ Argon	WEA-N-318-00606-00001	0.36	0.18	0.40	54					2.04	-	0.00	0			
	1"	Zo-e SafeGuard Certified	WEA-N-318-00603-00001	0.39	0.18	0.40	52					2.21	-	0.00	0			
	1"	Zo-e SafeGuard Certified w/ Argon	WEA-N-318-00611-00001	0.36	0.18	0.40	54					2.04	-	0.00	0			
	1"	Zo-e-shield 7	WEA-N-318-00524-00001	0.34	0.17	0.32	54					1.93	-	0.00	0			
	1"	Zo-e-shield 7 w/ Argon	WEA-N-318-00536-00001	0.31	0.17	0.32	55					1.76	-	0.00	0			
	1"	Insul Low-E 240	WEA-N-318-00522-00001	0.41	0.17	0.25	51					2.33	-	0.00	0			
	1"	Insul Low-E 240 w/Argon	WEA-N-318-00534-00001	0.38	0.17	0.25	54					2.16	-	0.00	0			
	1"	Insul Low-E 340	WEA-N-318-00523-00001	0.40	0.12	0.24	52					2.27	-	0.00	0			
1"	Insul Low-E 340 w/Argon	WEA-N-318-00535-00001	0.37	0.12	0.24	54					2.10	-	0.00	0				
1"	Bronze Low E	WEA-N-318-00517-00011	0.40	0.26	0.33	51					2.27	-	0.00	0				
1"	Bronze Low E w/Argon	WEA-N-318-00529-00011	0.37	0.26	0.33	54					2.10	-	0.00	0				
Less Than 1" GIA or SDL	1"	Clear Insul	WEA-N-318-00636-00002	0.51	0.44	0.44	42					2.90	-	0.00	0			
	1"	Insul Low-E	WEA-N-318-00637-00002	0.40	0.22	0.38	51					2.27	-	0.00	0			
	1"	Insul Low E w/Argon	WEA-N-318-00643-00002	0.37	0.22	0.38	54					2.10	-	0.00	0			
	1"	Passive Solar	WEA-N-318-00520-00002	0.41	0.38	0.43	51					2.33	-	0.00	0			
	1"	Passive Solar w/Argon	WEA-N-318-00532-00002	0.38	0.38	0.43	54					2.16	-	0.00	0			
	1"	Passive Solar Extreme	WEA-N-318-00521-00002	0.36	0.35	0.42	41					2.04	-	0.00	0			
	1"	Passive Solar Extreme w/Argon	WEA-N-318-00533-00002	0.34	0.35	0.42	44					1.93	-	0.00	0			
	1"	Zo-e-shield 5	WEA-N-318-00638-00002	0.40	0.15	0.33	51					2.27	-	0.00	0			
	1"	Zo-e-shield 5 w/ Argon	WEA-N-318-00644-00002	0.37	0.15	0.33	54					2.10	-	0.00	0			
	1"	Zo-e-shield 5 Extreme	WEA-N-318-00519-00002	0.35	0.16	0.34	42					1.99	-	0.00	0			
	1"	Zo-e-shield 5 Extreme w/ Argon	WEA-N-318-00531-00002	0.33	0.16	0.34	45					1.87	-	0.00	0			
	1"	Zo-e-shield 6	WEA-N-318-00598-00002	0.39	0.16	0.34	51					2.21	-	0.00	0			
	1"	Zo-e-shield 6 w/ Argon	WEA-N-318-00606-00002	0.36	0.16	0.34	54					2.04	-	0.00	0			
	1"	Zo-e SafeGuard Certified	WEA-N-318-00603-00002	0.39	0.16	0.34	52					2.21	-	0.00	0			
	1"	Zo-e SafeGuard Certified w/ Argon	WEA-N-318-00611-00002	0.36	0.16	0.34	54					2.04	-	0.00	0			
	1"	Zo-e-shield 7	WEA-N-318-00525-00001	0.35	0.15	0.28	54					1.99	-	0.00	0			
	1"	Zo-e-shield 7 w/ Argon	WEA-N-318-00537-00001	0.32	0.15	0.28	55					1.82	-	0.00	0			
	1"	Insul Low-E 240	WEA-N-318-00522-00002	0.41	0.15	0.22	51					2.33	-	0.00	0			
	1"	Insul Low-E 240 w/Argon	WEA-N-318-00534-00002	0.38	0.15	0.22	54					2.16	-	0.00	0			
	1"	Insul Low-E 340	WEA-N-318-00523-00002	0.40	0.11	0.21	52					2.27	-	0.00	0			
1"	Insul Low-E 340 w/Argon	WEA-N-318-00535-00002	0.37	0.11	0.21	54					2.10	-	0.00	0				
1"	Bronze Low E	WEA-N-318-00517-00012	0.40	0.22	0.29	51					2.27	-	0.00	0				
1"	Bronze Low E w/Argon	WEA-N-318-00529-00012	0.37	0.22	0.29	54					2.10	-	0.00	0				
1" Or Over GIA or SDL	1"	Clear Insul	WEA-N-318-00636-00003	0.51	0.38	0.38	42					2.90	-	0.00	0			
	1"	Insul Low-E	WEA-N-318-00637-00003	0.40	0.19	0.32	51					2.27	-	0.00	0			
	1"	Insul Low E w/Argon	WEA-N-318-00643-00003	0.37	0.19	0.32	54					2.10	-	0.00	0			
	1"	Passive Solar	WEA-N-318-00520-00003	0.41	0.33	0.36	51					2.33	-	0.00	0			
	1"	Passive Solar w/Argon	WEA-N-318-00532-00003	0.38	0.33	0.36	54					2.16	-	0.00	0			
	1"	Passive Solar Extreme	WEA-N-318-00521-00003	0.36	0.30	0.36	41					2.04	-	0.00	0			
	1"	Passive Solar Extreme w/Argon	WEA-N-318-00533-00003	0.34	0.30	0.36	44					1.93	-	0.00	0			
	1"	Zo-e-shield 5	WEA-N-318-00638-00003	0.40	0.13	0.28	51					2.27	-	0.00	0			
	1"	Zo-e-shield 5 w/ Argon	WEA-N-318-00644-00003	0.37	0.13	0.28	54					2.10	-	0.00	0			
	1"	Zo-e-shield 5 Extreme	WEA-N-318-00519-00003	0.35	0.14	0.29	42					1.99	-	0.00	0			
	1"	Zo-e-shield 5 Extreme w/ Argon	WEA-N-318-00531-00003	0.33	0.14	0.29	45					1.87	-	0.00	0			
	1"	Zo-e-shield 6	WEA-N-318-00598-00003	0.39	0.14	0.29	51					2.21	-	0.00	0			
	1"	Zo-e-shield 6 w/ Argon	WEA-N-318-00606-00003	0.36	0.14	0.29	54					2.04	-	0.00	0			
	1"	Zo-e SafeGuard Certified	WEA-N-318-00603-00003	0.39	0.14	0.29	52					2.21	-	0.00	0			
	1"	Zo-e SafeGuard Certified w/ Argon	WEA-N-318-00611-00003	0.36	0.14	0.29	54					2.04	-	0.00	0			
	1"	Zo-e-shield 7	WEA-N-318-00525-00002	0.35	0.13	0.24	54					1.99	-	0.00	0			
	1"	Zo-e-shield 7 w/ Argon	WEA-N-318-00537-00002	0.32	0.13	0.24	55					1.82	-	0.00	0			
	1"	Insul Low-E 240	WEA-N-318-00522-00003	0.41	0.13	0.18	51					2.33	-	0.00	0			
	1"	Insul Low-E 240 w/Argon	WEA-N-318-00534-00003	0.38	0.13	0.18	54					2.16	-	0.00	0			
	1"	Insul Low-E 340	WEA-N-318-00523-00003	0.40	0.10	0.18	52					2.27	-	0.00	0			
1"	Insul Low-E 340 w/Argon	WEA-N-318-00535-00003	0.37	0.10	0.18	54					2.10	-	0.00	0				
1"	Bronze Low E	WEA-N-318-00517-00013	0.40	0.20	0.24	51					2.27	-	0.00	0				
1"	Bronze Low E w/Argon	WEA-N-318-00529-00013	0.37	0.20	0.24	54					2.10	-	0.00	0				