



40684 Talbot Line, St. Thomas, Ont., N5P 3T2
 Phone: (519) 637-7899
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 Website: www.northstarwindows.com

ENERGY RATINGS - U.S.A.

Window Style (Model)	U.S.A. Energy Star Program										Centre of Glass	
	Zone Legend: N - Northern, N/C - North/Central, S/C - South/Central, S - Southern										"U" Value (Imperial)	"R" Value (Imperial)
	Glass Options	Energy Star Zone				SHGC	Visible Transmittance	Condensation Resistance	"U" Value (Imperial)	"R" Value (Imperial)		
N		N/C	S/C	S								
Casement (#1171)	Clear	N/A	N/A	N/A	N/A	0.51	0.54	48	0.41	2.44	0.480	2.08
	Low "e"	●	●			0.48	0.50	59	0.32	3.13	0.335	2.99
	LE/Arg	●	●			0.48	0.50	62	0.29	3.45	0.294	3.40
	Sol-E/Arg	●	●	●	●	0.32	0.36	60	0.29	3.45	0.292	3.42
Triples	LE/Arg (5)	●	●			0.43	0.45	69	0.24	4.17	0.224	4.46
	2LE/Arg (3&5)	●	●	●	●	0.40	0.42	72	0.21	4.76	0.179	5.59
	LE/Arg-Kry (5)	●	●			0.43	0.45	69	0.23	4.35	0.218	4.59
	2LE/Arg-Kry (3&5)	●	●	●	●	0.40	0.42	73	0.20	5.00	0.173	5.78
	LE/Kry (5)	●	●			0.43	0.45	72	0.22	4.55	0.188	5.32
	2LE/Kry (3&5)	●	●	●	●	0.40	0.42	76	0.18	5.56	0.141	7.09
Picture (with sash) (#1072) Fixed Casement	Clear	N/A	N/A	N/A	N/A	0.60	0.63	48	0.44	2.27	0.480	2.08
	Low "e"	●				0.56	0.58	62	0.33	3.03	0.335	2.99
	LE/Arg	●				0.56	0.58	65	0.30	3.33	0.294	3.40
	Sol-E/Arg	●	●	●	●	0.37	0.42	65	0.30	3.33	0.292	3.42
Triples	LE/Arg (5)	●	●			0.50	0.53	73	0.23	4.35	0.211	4.74
	2LE/Arg (3&5)	●	●			0.47	0.49	76	0.19	5.26	0.165	6.06
	LE/Arg-Kry (5)	●	●			0.50	0.53	71	0.23	4.35	0.207	4.83
	2LE/Arg-Kry (3&5)	●	●			0.47	0.49	75	0.19	5.26	0.161	6.21
	LE/Kry (5)	●	●			0.50	0.53	74	0.21	4.76	0.190	5.26
	2LE/Kry (3&5)	●	●			0.47	0.49	77	0.18	5.56	0.142	7.04
Picture (no sash) (#1071)	Clear	N/A	N/A	N/A	N/A	0.67	0.72	47	0.46	2.17	0.480	2.08
	Low "e"	●				0.63	0.66	57	0.34	2.94	0.335	2.99
	LE/Arg	●				0.63	0.66	60	0.30	3.33	0.294	3.40
	Sol-E/Arg	●	●			0.42	0.48	60	0.30	3.33	0.292	3.42
Triples	LE/Arg (5)	●				0.56	0.60	73	0.22	4.55	0.211	4.74
	2LE/Arg (3&5)	●	●			0.53	0.56	78	0.18	5.56	0.165	6.06
	LE/Arg-Kry (5)	●				0.56	0.60	74	0.22	4.55	0.207	4.83
	2LE/Arg-Kry (3&5)	●	●			0.53	0.56	78	0.18	5.56	0.161	6.21
	LE/Kry (5)	●				0.56	0.60	75	0.21	4.76	0.190	5.26
	2LE/Kry (3&5)	●	●			0.53	0.56	80	0.16	6.25	0.142	7.04
Awning (#1173)	Clear	N/A	N/A	N/A	N/A	0.51	0.54	48	0.41	2.44	0.480	2.08
	Low "e"	●	●			0.48	0.50	63	0.32	3.13	0.335	2.99
	LE/Arg	●	●			0.48	0.50	66	0.29	3.45	0.294	3.40
	Sol-E/Arg	●	●	●	●	0.32	0.36	66	0.29	3.45	0.292	3.42
Triples	LE/Arg (5)	●	●			0.43	0.45	75	0.23	4.35	0.211	4.74
	2LE/Arg (3&5)	●	●	●	●	0.40	0.42	78	0.20	5.00	0.165	6.06
	LE/Arg-Kry (5)	●	●			0.43	0.45	75	0.23	4.35	0.218	4.59
	2LE/Arg-Kry (3&5)	●	●	●	●	0.40	0.42	79	0.20	5.00	0.173	5.78
	LE/Kry (5)	●	●			0.43	0.45	77	0.22	4.55	0.188	5.32
	2LE/Kry (3&5)	●	●	●	●	0.40	0.42	81	0.18	5.56	0.141	7.09



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	Glass Options	Energy Star Zone				SHGC	Visible Transmittance	Condensation Resistance	"U" Value (Imperial)	"R" Value (Imperial)		
N		N/C	S/C	S								
Single Hung Tilt (#1371)	Clear	N/A	N/A	N/A	N/A	0.60	0.63	48	0.45	2.22	0.480	2.08
	Low "e"	●				0.56	0.58	63	0.34	2.94	0.335	2.99
	LE / Arg	●				0.56	0.58	65	0.31	3.23	0.294	3.40
	Sol-E/Arg	●	●	●	●	0.37	0.42	65	0.31	3.23	0.292	3.42
Triples	LE/Arg (5)	●	●			0.50	0.53	66	0.29	3.45	0.270	3.70
	2LE/Arg (3&5)	●	●			0.47	0.49	69	0.26	3.85	0.226	4.42
	LE/Arg-Kry (5)	●	●			0.50	0.53	66	0.29	3.45	0.262	3.82
	2LE/Arg-Kry (3&5)	●	●			0.47	0.49	69	0.25	4.00	0.218	4.59
	LE/Kry (5)	●	●			0.50	0.53	68	0.25	4.00	0.209	4.78
	2LE/Kry (3&5)	●	●			0.47	0.49	71	0.21	4.76	0.163	6.13
Single Slider Lift Out (#1372)	Clear	N/A	N/A	N/A	N/A	0.60	0.63	46	0.45	2.22	0.480	2.08
	Low "e"	●				0.56	0.58	56	0.34	2.94	0.335	2.99
	LE / Arg	●				0.56	0.58	59	0.31	3.23	0.294	3.40
	Sol-E/Arg	●	●	●	●	0.37	0.42	59	0.31	3.23	0.292	3.42
Triples	LE/Arg (5)	●	●			0.50	0.53	63	0.29	3.45	0.270	3.70
	2LE/Arg (3&5)	●	●			0.47	0.49	66	0.26	3.85	0.226	4.42
	LE/Arg-Kry (5)	●	●			0.50	0.53	63	0.29	3.45	0.262	3.82
	2LE/Arg-Kry (3&5)	●	●			0.47	0.49	66	0.25	4.00	0.218	4.59
	LE/Kry (5)	●	●			0.50	0.53	66	0.25	4.00	0.209	4.78
	2LE/Kry (3&5)	●	●			0.47	0.49	70	0.21	4.76	0.163	6.13
Double Hung Tilt (#1271)	Clear	N/A	N/A	N/A	N/A	0.58	0.61	48	0.44	2.27	0.480	2.08
	Low "e"	●	●			0.54	0.56	62	0.34	2.94	0.335	2.99
	LE / Arg	●	●			0.54	0.56	64	0.31	3.23	0.294	3.40
	Sol-E/Arg	●	●	●	●	0.36	0.41	64	0.31	3.23	0.292	3.42
Triples	LE/Arg (5)	●	●			0.48	0.51	65	0.29	3.45	0.270	3.70
	2LE/Arg (3&5)	●	●			0.45	0.47	68	0.26	3.85	0.226	4.42
	LE/Arg-Kry (5)	●	●			0.48	0.51	66	0.29	3.45	0.262	3.82
	2LE/Arg-Kry (3&5)	●	●			0.45	0.47	69	0.26	3.85	0.218	4.59
	LE/Kry (5)	●	●			0.48	0.51	68	0.25	4.00	0.209	4.78
	2LE/Kry (3&5)	●	●			0.46	0.47	70	0.22	4.55	0.163	6.13
Double Slider Tilt (#1272)	Clear	N/A	N/A	N/A	N/A	0.58	0.61	46	0.45	2.22	0.480	2.08
	Low "e"	●	●			0.54	0.56	57	0.34	2.94	0.335	2.99
	LE / Arg	●	●			0.54	0.56	60	0.31	3.23	0.294	3.40
	Sol-E/Arg	●	●	●	●	0.36	0.41	60	0.31	3.23	0.292	3.42
Triples	LE/Arg (5)	●	●			0.48	0.51	62	0.29	3.45	0.270	3.70
	2LE/Arg (3&5)	●	●			0.45	0.47	65	0.26	3.85	0.226	4.42
	LE/Arg-Kry (5)	●	●			0.49	0.52	63	0.29	3.45	0.262	3.82
	2LE/Arg-Kry (3&5)	●	●			0.46	0.48	66	0.25	4.00	0.218	4.59
	LE/Kry (5)	●	●			0.48	0.51	66	0.25	4.00	0.209	4.78
	2LE/Kry (3&5)	●	●			0.45	0.47	69	0.21	4.76	0.163	6.13



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	Glass Options	Energy Star Zone				SHGC	Visible Transmittance	Condensation Resistance	"U" Value (Imperial)	"R" Value (Imperial)		
N		N/C	S/C	S								
Patio Door (#3300)	Clear	N/A	N/A	N/A	N/A	0.57	0.62	44	0.46	2.17	0.48	2.08
	Low "e"	●	●			0.54	0.57	53	0.35	2.86	0.33	3.03
	LE / Arg	●	●			0.54	0.57	56	0.32	3.13	0.29	3.45
	Sol-E/Arg	●	●	●	●	0.36	0.42	56	0.32	3.13	0.29	3.45
Triples	LE/Arg (5)	●	●			0.47	0.51	59	0.30	3.33	0.27	3.70
	2LE/Arg (3 & 5)	●	●			0.45	0.47	60	0.27	3.70	0.22	4.55
	LE/Arg-Kry (5)	●	●			0.47	0.51	59	0.30	3.33	0.26	3.85
	2LE/Arg-Kry (3&5)	●	●			0.45	0.47	60	0.27	3.70	0.22	4.55
	LE/Kry (5)	●	●			0.47	0.51	59	0.26	3.85	0.21	4.76
	2LE/Kry (3&5)	●	●			0.45	0.47	60	0.23	4.35	0.16	6.25

● Denotes qualifying zones

Window simulation report performed using WINDOW 5 and THERM 5
 NFRC 100: Procedure for determining fenestration product U-Factors
 NFRC 200: Solar heat gain coefficient and visible transmittance
 NFRC 500: Procedure for determining fenestration product condensation resistance values