

## ENERGY RATINGS - CANADA

Window Style (Model)	Energy Rating (ER) Canadian Energy Star Program										Centre of Glass		
	Glass Options	ER	Energy Star Zone				SHGC	Visible Transmittance	Condensation Resistance	"U" Value	"R" Value	"U" Value (Imperial)	"R" Value (Imperial)
			A	B	C	D				(Imperial)	(Imperial)		
<b>Double Slider Liftout #1273</b>  CAN/CSA A440-00 Evaluation Report # 3186469TOR-002A DSLO  Air - A2 Water -B3 Structural - C3 Forced Entry - F20	<b>DUAL LITE</b>												
	Clear – air – clear	17					0.58	0.61	48	0.44	2.27	0.480	2.08
	Clear – air – clear, grille	14					0.52	0.55	48	0.44	2.27	0.480	2.08
	Clear – air – LOF (3)	29	●	●	●		0.56	0.57	54	0.34	2.94	0.337	2.97
	Clear – air – LOF, grille	25	●	●			0.50	0.50	54	0.34	2.94	0.337	2.97
	Clear – argon – LOF (3)	33	●	●	●		0.56	0.57	57	0.31	3.23	0.297	3.37
	Clear – argon – LOF, grille	29	●	●	●		0.50	0.50	57	0.31	3.23	0.297	3.37
	Clear – argon/krypton – LOF (3)	33	●	●	●		0.56	0.57	58	0.31	3.23	0.297	3.37
	Clear – argon/krypton – LOF, grille	29	●	●	●		0.50	0.50	58	0.31	3.23	0.297	3.37
	Bronze – air – clear	11					0.46	0.45	45	0.44	2.27	0.480	2.08
	Bronze – air – clear, grille	8					0.42	0.40	45	0.44	2.27	0.480	2.08
	Bronze – argon – clear	12					0.46	0.45	47	0.43	2.33	0.455	2.20
	Bronze – argon – clear, grille	9					0.42	0.40	47	0.43	2.33	0.455	2.20
	Bronze – argon/krypton – clear	12					0.46	0.45	47	0.43	2.33	0.455	2.20
	Bronze – argon/krypton – clear, grille	9					0.41	0.40	47	0.43	2.33	0.455	2.20
	Bronze – air – LOF (3)	21	●				0.42	0.42	55	0.34	2.94	0.335	2.99
	Bronze – air – LOF, grille	18					0.38	0.37	55	0.34	2.94	0.335	2.99
	Bronze – argon – LOF (3)	24	●				0.42	0.42	58	0.31	3.23	0.294	3.40
	Bronze – argon – LOF, grille	22	●				0.38	0.37	58	0.31	3.23	0.294	3.40
	Bronze – argon/krypton – LOF (3)	24	●				0.42	0.42	58	0.31	3.23	0.294	3.40
	Bronze – argon/krypton – LOF, grille	22	●				0.38	0.37	58	0.31	3.23	0.294	3.40
	Grey – air – clear	9					0.44	0.41	45	0.44	2.27	0.480	2.08
	Grey – air – clear, grille	7					0.40	0.37	45	0.44	2.27	0.480	2.08
	Grey – argon – clear	11					0.44	0.41	47	0.43	2.33	0.455	2.20
	Grey – argon – clear, grille	8					0.40	0.37	47	0.43	2.33	0.455	2.20
	Grey – argon/krypton – clear	11					0.44	0.41	47	0.43	2.33	0.455	2.20
	Grey – argon/krypton – clear, grille	8					0.40	0.37	47	0.43	2.33	0.455	2.20
	Grey – air – LOF (3)	20					0.40	0.38	55	0.34	2.94	0.335	2.99
	Grey – air – LOF, grille	17					0.36	0.34	55	0.34	2.94	0.335	2.99
	Grey – argon – LOF (3)	23	●				0.40	0.38	58	0.31	3.23	0.294	3.40
	Grey – argon – LOF, grille	21	●				0.36	0.34	58	0.31	3.23	0.294	3.40
	Grey – argon/krypton – LOF (3)	23	●				0.40	0.38	58	0.31	3.23	0.294	3.40
	Grey – argon/krypton – LOF, grille	21	●				0.36	0.34	58	0.31	3.23	0.294	3.40
	366 – air – clear (2)	12					0.21	0.47	58	0.31	3.23	0.291	3.44
	366 – air – clear, grille	11					0.19	0.42	58	0.31	3.23	0.291	3.44
	366 – argon – clear (2)	17	●	●			0.20	0.47	61	0.27	3.70	0.243	4.12
	366 – argon – clear, grille	16	●				0.18	0.42	61	0.27	3.70	0.243	4.12
	366 – argon/krypton – clear (2)	17	●	●			0.20	0.47	61	0.27	3.70	0.243	4.12
	366 – argon/krypton – clear, grille	16	●				0.18	0.42	61	0.27	3.70	0.243	4.12

## ENERGY RATINGS - CANADA

Window Style (Model)	Energy Rating (ER) Canadian Energy Star Program										
	Glass Options	ER	Energy Star Zone				SHGC	Visible Transmittance	Condensation Resistance	"U" Value	"R" Value
			A	B	C	D				(Imperial)	(Imperial)
<b>Double Slider Liftout #1273</b>  CAN/CSA A440-00 Evaluation Report # 3186469TOR-002A DSLO  Air - A2 Water -B3 Structural - C3 Forced Entry - F20	<b>TRIPLE LITE</b>										
	Clear – argon – clear – argon – LOF (5)	31	●	●	●		0.51	0.52	60	0.30	3.33
	Clear – argon – LOF – argon – LOF (3&5)	34	●	●	●	●	0.48	0.49	64	0.26	3.85
	Clear – argon/krypton – clear – argon/krypton – LOF (5)	32	●	●	●		0.51	0.52	61	0.29	3.45
	Clear – argon/krypton – LOF – argon/krypton – LOF (3&5)	34	●	●	●	●	0.48	0.49	64	0.26	3.85
	Clear – krypton – clear – krypton – LOF (5)	37	●	●	●	●	0.51	0.52	64	0.25	4.00
	Clear – krypton – LOF – krypton – LOF (3&5)	39	●	●	●	●	0.48	0.49	68	0.22	4.55
	Bronze – argon – clear – argon – clear	20					0.41	0.41	56	0.34	2.94
	Bronze – argon/krypton – clear – argon/krypton – clear	20					0.41	0.41	57	0.34	2.94
	Bronze – krypton – clear – krypton – clear	24	●				0.41	0.41	59	0.31	3.23
	Bronze – argon – clear – argon – LOF (5)	25	●	●			0.38	0.38	61	0.29	3.45
	Bronze – argon/krypton – clear – argon/krypton – LOF (5)	25	●	●			0.38	0.38	61	0.29	3.45
	Bronze – krypton – clear – krypton – LOF (5)	30	●	●	●		0.38	0.38	65	0.25	4.00
	Bronze – argon – LOF – argon – LOF (3&5)	27	●	●			0.35	0.35	64	0.26	3.85
	Bronze – argon/krypton – LOF – argon/krypton – LOF (3&5)	27	●	●			0.35	0.35	65	0.26	3.85
	Bronze – krypton – LOF – krypton – LOF (3&5)	32	●	●	●		0.35	0.35	69	0.22	4.55
	Grey – argon – clear – argon – clear	19					0.39	0.37	56	0.34	2.94
	Grey – argon/krypton – clear – argon/krypton – clear	19					0.39	0.37	57	0.34	2.94
	Grey – krypton – clear – krypton – clear	23	●				0.39	0.37	59	0.31	3.23
	Grey – argon – clear – argon – LOF (5)	23	●				0.36	0.34	61	0.29	3.45
	Grey – argon/krypton – clear – argon/krypton – LOF (5)	23	●				0.36	0.34	61	0.29	3.45
	Grey – krypton – clear – krypton – LOF (5)	28	●	●	●		0.36	0.34	65	0.25	4.00
	Grey – argon – LOF – argon – LOF (3&5)	26	●	●			0.34	0.32	64	0.26	3.85
	Grey – argon/krypton – LOF – argon/krypton – LOF (3&5)	26	●	●			0.34	0.32	65	0.26	3.85
	Grey – krypton – LOF – krypton – LOF (3&5)	31	●	●	●		0.34	0.32	69	0.22	4.55
	366 – argon – clear – argon – clear (2)	15	●				0.19	0.43	62	0.28	3.57
	366 – argon/krypton – clear – argon/krypton – clear (2)	16	●				0.19	0.43	63	0.27	3.70
	366 – krypton – clear – krypton – clear (2)	21	●	●	●		0.19	0.43	67	0.23	4.35

Centre of Glass	
"U" Value (Imperial)	"R" Value (Imperial)
0.271	3.69
0.228	4.39
0.264	3.79
0.220	4.55
0.210	4.76
0.165	6.06
0.339	2.95
0.334	2.99
0.294	3.40
0.270	3.70
0.262	3.82
0.209	4.78
0.226	4.42
0.218	4.59
0.163	6.13
0.339	2.95
0.334	2.99
0.294	3.40
0.270	3.70
0.262	3.82
0.209	4.78
0.226	4.42
0.218	4.59
0.163	6.13
0.250	4.00
0.241	4.15
0.180	5.56