

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)
Picture #1071 (no sash) CAN/CSA A440-00 Evaluation Report # 3106153-5 Air - (A) Fixed Rating Water - B7 Structural - C5 Forced Entry - N/A	DUAL LITE										
	Clear – air – clear	21					0.67	0.72	46	0.46	2.17
	Clear – air – clear, grille	18					0.61	0.65	46	0.46	2.17
	Clear – air – LOF (3)	36	•	•	•	•	0.67	0.68	55	0.34	2.94
	Clear – air – LOF, grille	32	•	•	•	•	0.60	0.61	55	0.34	2.94
	Clear – argon – LOF (3)	41	•	•	•	•	0.67	0.68	59	0.30	3.33
	Clear – argon – LOF, grille	37	•	•	•	•	0.60	0.61	59	0.30	3.33
	Clear – argon/krypton – LOF (3)	41	•	•	•	•	0.67	0.68	59	0.30	3.33
	Clear – argon/krypton – LOF, grille	37	•	•	•	•	0.60	0.61	59	0.30	3.33
	Bronze – air – clear	14					0.55	0.54	46	0.46	2.17
	Bronze – air – clear, grille	12					0.50	0.49	46	0.46	2.17
	Bronze – argon – clear	17					0.55	0.54	48	0.44	2.27
	Bronze – argon – clear, grille	14					0.50	0.49	48	0.44	2.27
	Bronze – argon/krypton – clear	17					0.55	0.54	48	0.44	2.27
	Bronze – argon/krypton – clear, grille	14					0.50	0.49	48	0.44	2.27
	Bronze – air – LOF (3)	27	•	•			0.51	0.50	56	0.34	2.94
	Bronze – air – LOF, grille	24	•				0.46	0.45	56	0.34	2.94
	Bronze – argon – LOF (3)	31	•	•	•		0.50	0.50	60	0.30	3.33
	Bronze – argon – LOF, grille	29	•	•	•		0.46	0.45	60	0.30	3.33
	Bronze – argon/krypton – LOF (3)	31	•	•	•		0.50	0.50	60	0.30	3.33
	Bronze – argon/krypton – LOF, grille	29	•	•	•		0.46	0.45	60	0.30	3.33
	Grey – air – clear	13					0.53	0.49	46	0.46	2.17
	Grey – air – clear, grille	10					0.48	0.44	46	0.46	2.17
	Grey – argon – clear	16					0.53	0.49	48	0.44	2.27
	Grey – argon – clear, grille	13					0.48	0.44	48	0.44	2.27
	Grey – argon/krypton – clear	16					0.53	0.49	48	0.44	2.27
	Grey – argon/krypton – clear, grille	13					0.48	0.44	48	0.44	2.27
	Grey – air – LOF (3)	25	•	•			0.48	0.45	56	0.34	2.94
	Grey – air – LOF, grille	22	•				0.43	0.41	56	0.34	2.94
	Grey – argon – LOF (3)	30	•	•	•		0.48	0.45	60	0.30	3.33
	Grey – argon – LOF, grille	27	•	•			0.43	0.41	60	0.30	3.33
	Grey – argon/krypton – LOF (3)	30	•	•	•		0.48	0.45	60	0.30	3.33
	Grey – argon/krypton – LOF, grille	27	•	•			0.43	0.41	60	0.30	3.33
	366 – air – clear (2)	16	•				0.24	0.57	59	0.30	3.33
	366 – air – clear, grille	15	•				0.22	0.51	59	0.30	3.33
	366 – argon – clear (2)	21	•	•			0.24	0.57	63	0.26	3.85
	366 – argon – clear, grille	20	•	•			0.22	0.51	63	0.26	3.85
	366 – argon/krypton – clear (2)	21	•	•			0.24	0.57	63	0.26	3.85
	366 – argon/krypton – clear, grille	20	•	•			0.22	0.51	63	0.26	3.85

Centre of Glass	
"U" Value (Imperial)	"R" Value (Imperial)
0.482	2.07
0.482	2.07
0.337	2.97
0.337	2.97
0.297	3.37
0.297	3.37
0.297	3.37
0.297	3.37
0.482	2.07
0.482	2.07
0.458	2.18
0.458	2.18
0.458	2.18
0.458	2.18
0.341	2.93
0.341	2.93
0.300	3.33
0.300	3.33
0.300	3.33
0.300	3.33
0.482	2.07
0.482	2.07
0.458	2.18
0.458	2.18
0.458	2.18
0.458	2.18
0.341	2.93
0.341	2.93
0.300	3.33
0.300	3.33
0.300	3.33
0.300	3.33
0.298	3.36
0.298	3.36
0.250	4.00
0.250	4.00
0.250	4.00
0.250	4.00

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)
Picture #1071 (no sash) CAN/CSA A440-00 Evaluation Report # 3106153-5 Air - (A) Fixed Rating Water - B7 Structural - C5 Forced Entry - N/A	TRIPLE LITE										
	Clear – argon – clear – argon – LOF (5)	45	●	●	●	●	0.61	0.63	67	0.24	4.17
	Clear – argon – clear – argon – LOF, grille	42	●	●	●	●	0.55	0.56	67	0.24	4.17
	Clear – argon – LOF – argon – LOF (3&5)	48	●	●	●	●	0.57	0.58	71	0.20	5.00
	Clear – argon – LOF – argon – LOF, grille	45	●	●	●	●	0.52	0.52	71	0.20	5.00
	Clear – argon/krypton – clear – argon/krypton – LOF (5)	47	●	●	●	●	0.61	0.63	67	0.23	4.35
	Clear – argon/krypton – clear – argon/krypton – LOF, grille	43	●	●	●	●	0.55	0.56	67	0.23	4.35
	Clear – argon/krypton – LOF – argon/krypton – LOF (3&5)	49	●	●	●	●	0.57	0.58	72	0.19	5.76
	Clear – argon/krypton – LOF – argon/krypton – LOF, grille	45	●	●	●	●	0.52	0.52	72	0.20	5.00
	Clear – krypton – clear – krypton – LOF (5)	49	●	●	●	●	0.61	0.63	70	0.21	4.76
	Clear – krypton – clear – krypton – LOF, grille	46	●	●	●	●	0.55	0.56	70	0.21	4.76
	Clear – krypton – LOF – krypton – LOF (3&5)	52	●	●	●	●	0.58	0.58	75	0.17	5.88
	Clear – krypton – LOF – krypton – LOF, grille	49	●	●	●	●	0.52	0.52	75	0.17	5.88
	Bronze – argon – clear – argon – clear	31	●	●	●		0.49	0.49	62	0.30	3.33
	Bronze – argon – clear – argon – clear, grille	28	●	●			0.44	0.44	62	0.30	3.33
	Bronze – argon/krypton – clear – argon/krypton – clear	32	●	●	●		0.49	0.49	62	0.29	3.45
	Bronze – argon/krypton – clear – argon/krypton – clear, grille	29	●	●	●		0.44	0.44	62	0.29	3.45
	Bronze – krypton – clear – krypton – clear	33	●	●	●		0.49	0.49	64	0.28	3.57
	Bronze – krypton – clear – krypton – clear, grille	30	●	●	●		0.44	0.44	64	0.28	3.57
	Bronze – argon – clear – argon – LOF (5)	39	●	●	●	●	0.45	0.45	68	0.22	4.55
	Bronze – argon – clear – argon – LOF, grille	36	●	●	●	●	0.41	0.41	68	0.22	4.55
	Bronze – argon/krypton – clear – argon/krypton – LOF (5)	39	●	●	●	●	0.45	0.45	69	0.22	4.55
	Bronze – argon/krypton – clear – argon/krypton – LOF, grille	36	●	●	●	●	0.41	0.41	69	0.22	4.55
	Bronze – krypton – clear – krypton – LOF (5)	41	●	●	●	●	0.45	0.45	71	0.20	5.00
	Bronze – krypton – clear – krypton – LOF, grille	37	●	●	●	●	0.40	0.41	71	0.21	4.76
	Bronze – argon – LOF – argon – LOF (3&5)	42	●	●	●	●	0.42	0.42	74	0.18	5.56
	Bronze – argon – LOF – argon – LOF, grille	38	●	●	●	●	0.38	0.38	74	0.19	5.26
	Bronze – argon/krypton – LOF – argon/krypton – LOF (3&5)	42	●	●	●	●	0.42	0.42	74	0.18	5.56
	Bronze – argon/krypton – LOF – argon/krypton – LOF, grille	39	●	●	●	●	0.38	0.38	74	0.18	5.56
	Bronze – krypton – LOF – krypton – LOF (3&5)	44	●	●	●	●	0.42	0.42	76	0.16	6.25
Bronze – krypton – LOF – krypton – LOF, grille	42	●	●	●	●	0.38	0.38	76	0.16	6.25	

Centre of Glass	
"U" Value (Imperial)	"R" Value (Imperial)
0.225	4.44
0.225	4.44
0.181	5.52
0.181	5.52
0.220	4.55
0.220	4.55
0.175	5.71
0.175	5.71
0.190	5.26
0.190	5.26
0.143	7.04
0.143	7.04
0.295	3.39
0.295	3.39
0.292	3.42
0.292	3.42
0.277	3.61
0.277	3.61
0.211	4.74
0.211	4.74
0.207	4.83
0.207	4.83
0.190	5.26
0.190	5.26
0.165	6.06
0.165	6.06
0.161	6.21
0.161	6.21
0.142	7.04
0.142	7.04



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	Glass Options	ER	Energy Star Zone				SHGC	Visible Transmittance	Condensation Resistance	"U" Value	"R" Value
			A	B	C	D				(Imperial)	(Imperial)
Picture #1071 (no sash) CAN/CSA A440-00 Evaluation Report # 3106153-5 Air - (A) Fixed Rating Water - B7 Structural - C5 Forced Entry - N/A	TRIPLE LITE										
	Grey – argon – clear – argon – clear	30	●	●	●		0.47	0.45	62	0.30	3.33
	Grey – argon – clear – argon – clear, grille	27	●	●			0.42	0.40	62	0.30	3.33
	Grey – argon/krypton – clear – argon/krypton – clear	31	●	●	●		0.47	0.45	62	0.29	3.45
	Grey – argon/krypton – clear – argon/krypton – clear, grille	28	●	●			0.42	0.40	62	0.29	3.45
	Grey – krypton – clear – krypton – clear	32	●	●	●		0.47	0.45	64	0.28	3.57
	Grey – krypton – clear – krypton – clear, grille	29	●	●	●		0.42	0.40	64	0.28	3.57
	Grey – argon – clear – argon – LOF (5)	37	●	●	●	●	0.43	0.41	68	0.22	4.55
	Grey – argon – clear – argon – LOF, grille	35	●	●	●	●	0.39	0.37	68	0.22	4.55
	Grey – argon/krypton – clear – argon/krypton – LOF (5)	37	●	●	●	●	0.43	0.41	69	0.22	4.55
	Grey – argon/krypton – clear – argon/krypton – LOF, grille	34	●	●	●	●	0.38	0.37	69	0.22	4.55
	Grey – krypton – clear – krypton – LOF (5)	39	●	●	●	●	0.42	0.41	71	0.20	5.00
	Grey – krypton – clear – krypton – LOF, grille	36	●	●	●	●	0.38	0.37	71	0.21	4.76
	Grey – argon – LOF – argon – LOF (3&5)	41	●	●	●	●	0.40	0.38	74	0.18	5.56
	Grey – argon – LOF – argon – LOF, grille	37	●	●	●	●	0.36	0.34	74	0.19	5.26
	Grey – argon/krypton – LOF – argon/krypton – LOF (3&5)	41	●	●	●	●	0.40	0.38	74	0.18	5.56
	Grey – argon/krypton – LOF – argon/krypton – LOF, grille	38	●	●	●	●	0.36	0.34	74	0.18	5.56
	Grey – krypton – LOF – krypton – LOF (3&5)	43	●	●	●	●	0.40	0.38	76	0.16	6.25
	Grey – krypton – LOF – krypton – LOF, grille	41	●	●	●	●	0.36	0.34	76	0.16	6.25
	366 – argon – clear – argon – clear (2)	28	●	●	●	●	0.22	0.52	71	0.20	5.00
	366 – argon – clear – argon – clear, grille	25	●	●	●	●	0.20	0.46	71	0.21	4.76
	366 – argon/krypton – clear – argon/krypton – clear (2)	28	●	●	●	●	0.22	0.52	71	0.20	5.00
	366 – argon/krypton – clear – argon/krypton – clear, grille	27	●	●	●	●	0.20	0.46	71	0.20	5.00
	366 – krypton – clear – krypton – clear (2)	29	●	●	●	●	0.22	0.52	73	0.19	5.26
	366 – krypton – clear – krypton – clear, grille	28	●	●	●	●	0.20	0.46	73	0.19	5.26

Centre of Glass	
"U" Value	"R" Value
(Imperial)	(Imperial)

0.295	3.39
0.295	3.39
0.292	3.42
0.292	3.42
0.277	3.61
0.277	3.61
0.211	4.74
0.211	4.74
0.207	4.83
0.207	4.83
0.190	5.26
0.190	5.26
0.165	6.06
0.165	6.06
0.161	6.21
0.161	6.21
0.142	7.04
0.142	7.04
0.186	5.38
0.186	5.38
0.182	5.49
0.182	5.49
0.168	5.95
0.168	5.95