

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	"R" Value
			A	B	C	D				(Imperial)	(Imperial)	(Imperial)	(Imperial)
Picture #1072 (with sash) Fixed Casement CAN/CSA A440-00 Evaluation Report # 3106153-6 Air - (A) Fixed Rating Water - B7 Structural - C5 Forced Entry - N/A	DUAL LITE												
	Clear – air – clear	20					0.60	0.63	46	0.44	2.27	0.482	2.07
	Clear – air – clear, grille	16					0.54	0.57	46	0.44	2.27	0.482	2.07
	Clear – air – LOF (3)	33	•	•	•		0.59	0.60	55	0.33	3.03	0.337	2.97
	Clear – air – LOF, grille	29	•	•	•		0.53	0.54	55	0.33	3.03	0.337	2.97
	Clear – argon – LOF (3)	37	•	•	•	•	0.59	0.60	59	0.30	3.33	0.297	3.37
	Clear – argon – LOF, grille	33	•	•	•		0.53	0.54	59	0.30	3.33	0.297	3.37
	Clear – argon/krypton – LOF (3)	37	•	•	•	•	0.59	0.60	59	0.30	3.33	0.297	3.37
	Clear – argon/krypton – LOF, grille	33	•	•	•		0.53	0.54	60	0.30	3.33	0.297	3.37
	Bronze – air – clear	14					0.49	0.48	46	0.44	2.27	0.482	2.07
	Bronze – air – clear, grille	11					0.44	0.43	46	0.44	2.27	0.482	2.07
	Bronze – argon – clear	16					0.49	0.48	47	0.42	2.38	0.459	2.18
	Bronze – argon – clear, grille	13					0.44	0.43	47	0.42	2.38	0.459	2.18
	Bronze – argon/krypton – clear	16					0.49	0.48	48	0.42	2.38	0.459	2.18
	Bronze – argon/krypton – clear, grille	13					0.44	0.43	48	0.42	2.38	0.459	2.18
	Bronze – air – LOF (3)	25	•	•			0.45	0.44	56	0.33	3.03	0.341	2.93
	Bronze – air – LOF, grille	22	•				0.40	0.39	56	0.33	3.03	0.341	2.93
	Bronze – argon – LOF (3)	29	•	•	•		0.45	0.44	59	0.30	3.33	0.300	3.33
	Bronze – argon – LOF, grille	26	•	•			0.40	0.39	59	0.30	3.33	0.300	3.33
	Bronze – argon/krypton – LOF (3)	29	•	•	•		0.45	0.44	60	0.30	3.33	0.300	3.33
	Bronze – argon/krypton – LOF, grille	26	•	•			0.40	0.39	60	0.30	3.33	0.300	3.33
	Grey – air – clear	12					0.47	0.43	46	0.44	2.27	0.482	2.07
	Grey – air – clear, grille	9					0.42	0.39	46	0.44	2.27	0.482	2.07
	Grey – argon – clear	15					0.47	0.43	47	0.42	2.38	0.459	2.18
	Grey – argon – clear, grille	12					0.42	0.39	47	0.42	2.38	0.459	2.18
	Grey – argon/krypton – clear	15					0.47	0.43	48	0.42	2.38	0.459	2.18
	Grey – argon/krypton – clear, grille	12					0.42	0.39	48	0.42	2.38	0.459	2.18
	Grey – air – LOF (3)	24	•				0.43	0.40	56	0.33	3.03	0.341	2.93
	Grey – air – LOF, grille	21	•				0.38	0.36	56	0.33	3.03	0.341	2.93
	Grey – argon – LOF (3)	27	•	•			0.43	0.40	59	0.30	3.33	0.300	3.33
	Grey – argon – LOF, grille	25	•	•			0.38	0.36	59	0.30	3.33	0.300	3.33
	Grey – argon/krypton – LOF (3)	27	•	•			0.43	0.40	60	0.30	3.33	0.300	3.33
	Grey – argon/krypton – LOF, grille	25	•	•			0.38	0.36	60	0.30	3.33	0.300	3.33
	366 – air – clear (2)	15	•				0.22	0.50	59	0.30	3.33	0.299	3.34
	366 – air – clear, grille	14	•				0.20	0.45	59	0.30	3.33	0.299	3.34
	366 – argon – clear (2)	20	•	•			0.21	0.50	63	0.26	3.85	0.250	4.00
	366 – argon – clear, grille	19	•	•			0.19	0.45	63	0.26	3.85	0.250	4.00
	366 – argon/krypton – clear (2)	20	•	•			0.21	0.50	63	0.26	3.85	0.250	4.00
	366 – argon/krypton – clear, grille	19	•	•			0.19	0.45	63	0.26	3.85	0.250	4.00

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	Glass Options	ER	Energy Star Zone				SHGC	Visible Transmittance	Condensati on Resistance	"U" Value	"R" Value
			A	B	C	D				(Imperial)	(Imperial)
Picture #1072 (with sash) Fixed Casement CAN/CSA A440-00 Evaluation Report # 3106153-6 Air - (A) Fixed Rating Water - B7 Structural - C5 Forced Entry - N/A	TRIPLE LITE										
	Clear – argon – clear – argon – LOF (5)	41	•	•	•	•	0.54	0.55	66	0.24	4.17
	Clear – argon – clear – argon – LOF, grille	38	•	•	•	•	0.49	0.49	66	0.24	4.17
	Clear – argon – LOF – argon – LOF (3&5)	43	•	•	•	•	0.51	0.52	71	0.21	4.76
	Clear – argon – LOF – argon – LOF, grille	40	•	•	•	•	0.46	0.46	71	0.21	4.76
	Clear – argon/krypton – clear – argon/krypton – LOF (5)	41	•	•	•	•	0.54	0.55	67	0.24	4.17
	Clear – argon/krypton – clear – argon/krypton – LOF, grille	38	•	•	•	•	0.49	0.49	67	0.24	4.17
	Clear – argon/krypton – LOF – argon/krypton – LOF (3&5)	44	•	•	•	•	0.51	0.52	71	0.20	5.00
	Clear – argon/krypton – LOF – argon/krypton – LOF, grille	40	•	•	•	•	0.46	0.46	71	0.21	4.76
	Clear – krypton – clear – krypton – LOF (5)	45	•	•	•	•	0.54	0.55	70	0.21	4.76
	Clear – krypton – clear – krypton – LOF, grille	41	•	•	•	•	0.49	0.49	70	0.22	4.55
	Clear – krypton – LOF – krypton – LOF (3&5)	47	•	•	•	•	0.51	0.52	75	0.18	5.56
	Clear – krypton – LOF – krypton – LOF, grille	44	•	•	•	•	0.46	0.46	75	0.18	5.56
	Bronze – argon – clear – argon – clear	29	•	•	•		0.44	0.44	62	0.29	3.45
	Bronze – argon – clear – argon – clear, grille	25	•	•			0.39	0.39	62	0.30	3.33
	Bronze – argon/krypton – clear – argon/krypton – clear	29	•	•	•		0.44	0.44	62	0.29	3.45
	Bronze – argon/krypton – clear – argon/krypton – clear, grille	26	•	•			0.39	0.39	62	0.29	3.45
	Bronze – krypton – clear – krypton – clear	30	•	•	•		0.43	0.44	63	0.28	3.57
	Bronze – krypton – clear – krypton – clear, grille	28	•	•			0.39	0.39	63	0.28	3.57
	Bronze – argon – clear – argon – LOF (5)	34	•	•	•	•	0.40	0.40	68	0.23	4.35
	Bronze – argon – clear – argon – LOF, grille	32	•	•	•		0.36	0.36	68	0.23	4.35
	Bronze – argon/krypton – clear – argon/krypton – LOF (5)	34	•	•	•	•	0.40	0.40	68	0.23	4.35
	Bronze – argon/krypton – clear – argon/krypton – LOF, grille	32	•	•	•		0.36	0.36	68	0.23	4.35
	Bronze – krypton – clear – krypton – LOF (5)	37	•	•	•	•	0.40	0.40	71	0.21	4.76
	Bronze – krypton – clear – krypton – LOF, grille	35	•	•	•	•	0.36	0.36	71	0.21	4.76
	Bronze – argon – LOF – argon – LOF (3&5)	38	•	•	•	•	0.37	0.37	73	0.19	5.26
	Bronze – argon – LOF – argon – LOF, grille	35	•	•	•	•	0.34	0.33	73	0.20	5.00
	Bronze – argon/krypton – LOF – argon/krypton – LOF (3&5)	38	•	•	•	•	0.37	0.37	73	0.19	5.26
	Bronze – argon/krypton – LOF – argon/krypton – LOF, grille	36	•	•	•	•	0.34	0.33	73	0.19	5.26
	Bronze – krypton – LOF – krypton – LOF (3&5)	39	•	•	•	•	0.37	0.37	76	0.18	5.56
Bronze – krypton – LOF – krypton – LOF, grille	37	•	•	•	•	0.34	0.33	76	0.18	5.56	

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	6.99
0.143	6.99
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 #1072 (with sash) Fixed Casement CAN/CSA A440-00 Evaluation Report # 3106153-6 Air - (A) Fixed Rating Water - B7 Structural - C5 Forced Entry - N/A	TRIPLE LITE										
	Grey – argon – clear – argon – clear	28	•	•			0.42	0.40	62	0.29	3.45
	Grey – argon – clear – argon – clear, grille	24	•				0.37	0.35	62	0.30	3.33
	Grey – argon/krypton – clear – argon/krypton – clear	28	•	•			0.42	0.40	62	0.29	3.45
	Grey – argon/krypton – clear – argon/krypton – clear, grille	25	•	•			0.37	0.35	62	0.29	3.45
	Grey – krypton – clear – krypton – clear	29	•	•	•		0.41	0.40	63	0.28	3.57
	Grey – krypton – clear – krypton – clear, grille	26	•	•			0.37	0.35	63	0.28	3.57
	Grey – argon – clear – argon – LOF (5)	33	•	•	•		0.38	0.36	68	0.23	4.35
	Grey – argon – clear – argon – LOF, grille	31	•	•	•		0.34	0.32	68	0.23	4.35
	Grey – argon/krypton – clear – argon/krypton – LOF (5)	33	•	•	•		0.38	0.36	68	0.23	4.35
	Grey – argon/krypton – clear – argon/krypton – LOF, grille	31	•	•	•		0.34	0.32	68	0.23	4.35
	Grey – krypton – clear – krypton – LOF (5)	36	•	•	•	•	0.38	0.36	71	0.21	4.76
	Grey – krypton – clear – krypton – LOF, grille	33	•	•	•	•	0.34	0.32	71	0.21	4.76
	Grey – argon – LOF – argon – LOF (3&5)	36	•	•	•	•	0.35	0.34	73	0.19	5.26
	Grey – argon – LOF – argon – LOF, grille	34	•	•	•	•	0.32	0.30	73	0.20	5.00
	Grey – argon/krypton – LOF – argon/krypton – LOF (3&5)	36	•	•	•	•	0.35	0.34	73	0.19	5.26
	Grey – argon/krypton – LOF – argon/krypton – LOF, grille	35	•	•	•	•	0.32	0.30	73	0.19	5.26
	Grey – krypton – LOF – krypton – LOF (3&5)	38	•	•	•	•	0.35	0.34	76	0.18	5.56
	Grey – krypton – LOF – krypton – LOF, grille	36	•	•	•	•	0.32	0.30	76	0.18	5.56
	366 – argon – clear – argon – clear (2)	25	•	•	•	•	0.20	0.46	70	0.21	4.76
	366 – argon – clear – argon – clear, grille	23	•	•	•		0.18	0.41	70	0.22	4.55
	366 – argon/krypton – clear – argon/krypton – clear (2)	25	•	•	•	•	0.20	0.46	70	0.21	4.76
	366 – argon/krypton – clear – argon/krypton – clear, grille	24	•	•	•		0.18	0.41	70	0.21	4.76
366 – krypton – clear – krypton – clear (2)	27	•	•	•	•	0.20	0.46	72	0.20	5.00	
366 – krypton – clear – krypton – clear, grille	25	•	•	•	•	0.18	0.41	72	0.20	5.00	

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