

# ENERGY STAR CERTIFIED MODELS:

Tested: CSA A440.2-98 Standards

Tested: NFRC-1997

Tested: CSA A440.2-04 Standards

Tested: NFRC-2004

Jan 30,2006 / Rev. 04

NFRC	Product Model	Struct. Performance			Glazing Options					Thermal Performance					
		Air Leakage	Water Leakage	Wind Load	Spacer	Layers	Low E. Type	Low E.	Gas	R - Value (Imperial)	Visual Transmitt.	U-Value (metric)	U-Factor (Imperial)	SHGC	Energy Rating
NO	210C - 1	A3	B7	C3	Sup.S.	3	Hard Coat	Surface 5	Krypton	R 3.70	0.63	1.56	0.27	0.5	-1
NO	210C - 2	A3	B7	C3	Int.	2	Hard Coat	Surface 3	Argon	R 3.03	0.75	1.89	0.33	0.54	29
NO	210C - 3	A3	B7	C3	Int.	2	Soft Coat	Surface 3	Argon	R 3.33	0.71	1.73	0.30	0.36	22
NO	210C - 4	A3	B7	C3	Sup.S.	3	Hard Coat	Surface 5	Krypton	R 3.85	0.69	1.47	0.26	0.5	36
NO	210C - 5	A3	B7	C3	Sup.S.	3	Soft Coat	Surf. 2 & 5	Krypton	R 5	0.56	1.15	0.2	0.25	28
NO	210 - 1	A2	B5	C3	Sup.S.	3	Hard coat	Surface 5	Krypton	R 4.00	0.51	1.44	0.25	0.5	36
NO	210 - 2	A2	B5	C3	Int.	2	Hard coat	Surface 3	Argon	R 3.03	0.56	1.89	0.33	0.56	29
NO	210 - 3	A2	B5	C3	Int.	2	Soft Coat	Surface 3	Argon	R 3.33	0.54	1.71	0.30	0.38	23
NO	300 - 1	A2	B3	C3	Sup.S.	3	Hard coat	Surface 5	Krypton	R 4	0.51	1.43	0.25	0.51	36
NO	300 - 2	A2	B3	C3	Int.	2	Hard coat	Surface 3	Argon	R 3.03	0.56	1.89	0.33	0.56	29
NO	300 - 3	A2	B3	C3	Int.	2	Soft Coat	Surface 3	Argon	R 3.33	0.54	1.71	0.30	0.38	22
YES	100M - 1	A3	B7	C5	Int.	3	Hard Coat	Surface 5	Krypton	R 3.85	0.46	1.45	0.26	0.43	33
YES	100M - 2	A3	B7	C5	Int.	3	Soft Coat	Surf. 2 & 5	Argon	R 4.76	0.39	1.19	0.21	0.23	27
YES	100M - 3	A3	B7	C5	Int.	2	Hard Coat	Surface 3	Argon	R 3.12	0.50	1.83	0.32	0.49	28
YES	100M - 4	A3	B7	C5	Int.	2	Soft Coat	Surface 3	Argon	R 3.45	0.48	1.68	0.29	0.34	22
YES	100M - 5	A3	B7	C5	Sup.S.	3	Hard Coat	Surf. 2 & 5	Krypton	R 5	0.42	1.14	0.20	0.38	37
YES	100M - 6	A3	B7	C5	Sup.S.	3	Soft Coat	Surf. 2 & 5	Krypton	R 5.55	0.39	1.02	0.18	0.23	31
YES	100M - 7	A3	B7	C5	Sup.S.	3	Soft Coat	Surf. 2	Krypton	R 4.54	0.44	1.25	0.22	0.24	26
YES	100M - 8	A3	B7	C5	Sup.S.	2	Hard Coat	Surface 3	Argon	R3.33	0.50	1.73	0.30	0.48	29
YES	100M - 9	A3	B7	C5	Int.	3	Hard Coat	Surface 5	Argon	R4	0.46	1.47	0.25	0.43	32
YES	150M - 1	A3	B7	C4	Int.	3	Hard Coat	Surface 5	Krypton	R 4.00	0.46	1.44	0.25	0.43	33
YES	150M - 2	A3	B7	C4	Int.	3	Soft Coat	Surf. 2 & 5	Argon	R 4.76	0.39	1.17	0.21	0.23	27
YES	150M - 3	A3	B7	C4	Int.	2	Hard Coat	Surface 3	Argon	R 3.12	0.50	1.82	0.32	0.49	28
YES	150M - 4	A3	B7	C4	Int.	2	Soft Coat	Surface 3	Argon	R 3.45	0.48	1.65	0.29	0.32	22
YES	150M - 5	A3	B7	C4	Sup.S.	3	Hard Coat	Surf. 2 & 5	Krypton	R 5	0.42	1.14	0.20	0.38	37
YES	150M - 6	A3	B7	C4	Sup.S.	3	Soft Coat	Surf. 2 & 5	Krypton	R 5.88	0.39	0.97	0.17	0.23	32
YES	150M - 7	A3	B7	C4	Sup.S.	3	Soft Coat	Surf. 2	Krypton	R 4.54	0.44	1.25	0.22	0.24	26
YES	452 - 1	FX	B7	C5	Int.	3	Hard Coat	Surface 5	Krypton	R 4.54	0.54	1.26	0.22	0.50	41
YES	452 - 2	FX	B7	C5	Int.	3	Soft Coat	Surf. 2 & 5	Argon	R 5.88	0.46	0.95	0.17	0.26	34
YES	452 - 3	FX	B7	C5	Int.	2	Hard Coat	Surface 3	Argon	R 3.33	0.59	1.72	0.30	0.56	35
YES	452 - 4	FX	B7	C5	Int.	2	Soft Coat	Surface 3	Argon	R 3.7	0.57	1.53	0.27	0.37	28
YES	402 - 1	FX	B7	C5	Int.	3	Hard Coat	Surface 5	Krypton	R 4.54	0.60	1.27	0.22	0.56	44
YES	402 - 2	FX	B7	C5	Int.	3	Soft Coat	Surf. 2 & 5	Argon	R 6.25	0.51	0.92	0.16	0.29	37
YES	402 - 3	FX	B7	C5	Int.	2	Hard Coat	Surface 3	Argon	R 3.22	0.66	1.78	0.31	0.63	37
YES	402 - 4	FX	B7	C5	Int.	2	Soft Coat	Surface 3	Argon	R 3.57	0.64	1.57	0.28	0.42	29
YES	201 - 1	A3	B3	C3	Sup.S.	3	Hard Coat	Surface 5	Krypton	R 4.16	0.54	1.38	0.24	0.51	38
YES	201 - 2	A3	B3	C3	Int.	2	Hard Coat	Surface 3	Argon	R 3.03	0.60	1.85	0.33	0.57	31
YES	201 - 3	A3	B3	C3	Int.	2	Soft Coat	Surface 3	Argon	R 3.44	0.58	1.65	0.29	0.38	24
YES	301 - 1	A3	B2	C3	Sup.S.	3	Hard Coat	Surface 5	Krypton	R 4.16	0.54	1.38	0.24	0.51	38
YES	301 - 2	A3	B2	C3	Int.	2	Hard Coat	Surface 3	Argon	R 3.03	0.60	1.85	0.33	0.57	31
YES	301 - 3	A3	B2	C3	Int.	2	Soft Coat	Surface 3	Argon	R 3.44	0.58	1.65	0.29	0.38	24
YES	240 - 1	A3	B7	C3	Int.	2	Hard Coat	Surface 3	Argon	R 3.03	0.58	1.90	0.33	0.56	29
YES	240 - 2	A3	B7	C3	Int.	2	Soft Coat	Surface 3	Argon	R 3.33	0.56	1.70	0.30	0.37	22
YES	340 - 1	A3	B3	C4	Int.	2	Hard Coat	Surface 3	Argon	R 3.03	0.58	1.88	0.33	0.55	29
YES	340 - 2	A3	B3	C4	Int.	1	Soft Coat	Surface 3	Argon	R 3.33	0.56	1.69	0.30	0.36	22
NO	800M Ultra - 1	A3	B7	C5	Int.	3	Hard Coat	Surface 5	Argon	R 4.00	0.68	1.42	0.25	0.39	31
NO	800M Ultra - 2	A3	B7	C5	Int.	2	Hard Coat	Surface 3	Argon	R 3.22	0.75	1.74	0.31	0.43	27
NO	800M Ultra - 3	A3	B7	C5	Int.	2	Soft Coat	Surface 3	Argon	R 3.45	0.71	1.62	0.29	0.29	21
NO	850M Ultra - 1	A3	B7	C5	Int.	3	Hard Coat	Surface 5	Argon	R 4.00	0.68	1.42	0.25	0.39	30
NO	850M Ultra - 2	A3	B7	C5	Int.	2	Hard Coat	Surface 3	Argon	R 3.22	0.75	1.73	0.31	0.43	26
NO	850M Ultra - 3	A3	B7	C5	Int.	2	Soft Coat	Surface 3	Argon	R 3.57	0.71	1.61	0.28	0.29	20
NO	852 Ultra - 1	FX	B7	C5	Int.	3	Hard Coat	Surface 5	Argon	R 4.16	0.68	1.39	0.24	0.39	32
NO	852 Ultra - 2	FX	B7	C5	Int.	2	Hard Coat	Surface 3	Argon	R 3.225	0.75	1.72	0.31	0.43	27
NO	852 Ultra - 3	FX	B7	C5	Int.	2	Soft Coat	Surface 3	Argon	R 3.57	0.71	1.60	0.28	0.29	22
YES	275 - 1	A2	B2	C2	Sup.S.	2	Soft Coat	Surface 2	Argon	R 3.44	0.5	1.65	0.29	0.3	20
YES	275 - 2	A2	B2	C2	Int.	2	Soft Coat	Surface 2	Argon	R 3.22	0.56	1.73	0.31	0.32	19
YES	275 - 3	A2	B2	C2	Sup.S.	2	Hard Coat	Surface 3	Argon	R 3.03	0.46	1.9	0.33	0.45	24
YES	275 - 4	A2	B2	C2	Int.	2	Hard Coat	Surface 3	Argon	R 2.85	0.52	1.99	0.35	0.5	24
YES	375 - 1	A2	B2	C2	Sup.S.	2	Soft Coat	Surface 2	Argon	R 3.44	0.5	1.65	0.29	0.3	20
YES	375 - 2	A2	B2	C2	Int.	2	Soft Coat	Surface 2	Argon	R 3.22	0.56	1.73	0.31	0.32	19
YES	375 - 3	A2	B2	C2	Sup.S.	2	Hard Coat	Surface 3	Argon	R 3.03	0.46	1.9	0.33	0.45	24
YES	375 - 4	A2	B2	C2	Int.	2	Hard Coat	Surface 3	Argon	R 2.85	0.52	1.99	0.35	0.5	24