

Thermal Performance, Energy Star and NAFS Ratings

Supreme Casement	NAFS Ratings	Range					
		NFRC/Energy Star: NFRC		AAMA/WDMA/CSA/ILS.2-/A440-08: CW-PG55-C Size Tested: (38"x78")		AAMA/WDMA/CSA/ILS.2-/A440-08: CW-PG70-C Size Tested: (32"x63")	
Glass Option	Energy Rating	U-value (metric)	U-value (imperial)	Solar Heat Gain Coefficient	Visible Transmittance	Condensation Resistance	Canadian Energy Star Zones 2015
Clear	18	2.3	0.41	0.51	0.53	44	No/non
Clear w Grilles	15	2.3	0.41	0.46	0.47	44	No/non
LoE/Argon	31	1.6	0.28	0.46	0.52	58	1 2
LoE/Argon w Grilles	28	1.6	0.28	0.41	0.47	58	1
Energlass	33	1.5	0.27	0.46	0.52	60	1 2
Energlass w Grilles	30	1.5	0.27	0.41	0.47	60	1 2
LoE/Argon-LSG	21	1.5	0.27	0.25	0.45	59	1
LoE/Argon-LSG w Grilles	19	1.5	0.27	0.23	0.41	59	1
Energlass-LSG	22	1.5	0.26	0.25	0.45	61	1
Energlass-LSG w Grilles	20	1.5	0.26	0.23	0.41	61	1
Triple	30	1.7	0.29	0.46	0.48	61	1 2
Triple w Grilles	28	1.7	0.29	0.42	0.43	61	1
Triple LoE/Argon x 1	36	1.3	0.22	0.41	0.47	70	1 2 3
Triple LoE/Argon x 1 w Grilles	34	1.3	0.22	0.37	0.43	70	1 2 3
Triple LoE/Argon x 1 LSG	27	1.2	0.21	0.23	0.41	70	1 2 3
Triple LoE/Argon x 1 LSG w Grilles	26	1.2	0.21	0.21	0.37	70	1 2 3
Energlass Plus Argon	40	1.0	0.18	0.40	0.47	77	1 2 3
Energlass Plus Argon w Grilles	38	1.0	0.18	0.36	0.42	77	1 2 3
Energlass Plus Argon LSG	30	1.0	0.17	0.20	0.35	78	1 2 3
Energlass Plus Argon LSG w Grilles	29	1.0	0.17	0.18	0.32	78	1 2 3

Supreme Awning	NAFS Ratings	Range					
		NFRC/Energy Star: NFRC		AAMA/WDMA/CSA/ILS.2-/A440-08: LC-PG35-AP Size Tested: (60"x36.375")		AAMA/WDMA/CSA/ILS.2-/A440-08: LC-PG35-AP Size Tested: (60"x36.375")	
Glass Option	Energy Rating	U-value (metric)	U-value (imperial)	Solar Heat Gain Coefficient	Visible Transmittance	Condensation Resistance	Canadian Energy Star Zones 2015
Clear	17	2.4	0.42	0.51	0.53	43	No/non
Clear w Grilles	14	2.4	0.42	0.46	0.47	43	No/non
LoE/Argon	30	1.7	0.29	0.46	0.52	57	1 2
LoE/Argon w Grilles	27	1.7	0.29	0.41	0.47	57	1
Energlass	31	1.6	0.28	0.46	0.52	59	1 2
Energlass w Grilles	28	1.6	0.28	0.41	0.47	59	1
LoE/Argon-LSG	21	1.5	0.27	0.25	0.45	58	1
LoE/Argon-LSG w Grilles	19	1.5	0.27	0.23	0.41	58	1
Energlass-LSG	22	1.5	0.26	0.25	0.45	60	1
Energlass-LSG w Grilles	20	1.5	0.26	0.23	0.41	60	1
Triple	30	1.7	0.29	0.46	0.48	61	1 2
Triple w Grilles	28	1.7	0.29	0.42	0.43	61	1
Triple LoE/Argon x 1	36	1.3	0.22	0.41	0.47	69	1 2 3
Triple LoE/Argon x 1 w Grilles	34	1.3	0.22	0.37	0.43	69	1 2 3
Triple LoE/Argon x 1 LSG	26	1.3	0.22	0.23	0.41	71	1 2
Triple LoE/Argon x 1 LSG w Grilles	24	1.3	0.22	0.21	0.37	71	1 2
Energlass Plus Argon	40	1.0	0.18	0.40	0.47	76	1 2 3
Energlass Plus Argon w Grilles	38	1.0	0.18	0.36	0.42	76	1 2 3
Energlass Plus Argon LSG	30	1.0	0.17	0.20	0.35	77	1 2 3
Energlass Plus Argon LSG w Grilles	29	1.0	0.17	0.18	0.32	77	1 2 3

Supreme Casement Fixed Sash	NAFS Ratings	NFRC/Energy Star: NFRC		AAMA/WDMA/CSA/1.S.2-/A440-08: CW-PG55-FW		Sizes Tested: (60"x78"), (78"x60")	
Glass Option	Energy Rating	U-value (metric)	U-value (imperial)	Solar Heat Gain Coefficient	Visible Transmittance	Condensation Resistance	Canadian Energy Star Zones 2015
Clear	22	2.4	0.43	0.61	0.63	43	No/non
Clear w Grilles	18	2.4	0.43	0.54	0.56	43	No/non
LoE/Argon	36	1.6	0.28	0.54	0.62	57	1 2 3
LoE/Argon w Grilles	33	1.6	0.28	0.49	0.55	57	1 2
Energlass	37	1.5	0.27	0.54	0.62	60	1 2 3
Energlass w Grilles	35	1.5	0.27	0.49	0.55	60	1 2 3
LoE/Argon-LSG	25	1.5	0.26	0.30	0.54	59	1
LoE/Argon-LSG w Grilles	23	1.5	0.26	0.27	0.48	59	1
Energlass-LSG	26	1.4	0.25	0.30	0.54	61	1 2
Energlass-LSG w Grilles	24	1.4	0.25	0.27	0.48	61	1 2
Triple	34	1.7	0.30	0.55	0.58	61	1 2 3
Triple w Grilles	31	1.7	0.30	0.49	0.51	61	1 2
Triple LoE/Argon x 1	42	1.2	0.21	0.49	0.57	70	1 2 3
Triple LoE/Argon x 1 w Grilles	39	1.2	0.21	0.44	0.50	70	1 2 3
Triple LoE/Argon x 1 LSG	29	1.2	0.21	0.27	0.49	71	1 2 3
Triple LoE/Argon x 1 LSG w Grilles	28	1.2	0.21	0.25	0.44	71	1 2 3
Energlass Plus Argon	46	1.0	0.17	0.47	0.56	76	1 2 3
Energlass Plus Argon w Grilles	43	1.0	0.17	0.42	0.50	76	1 2 3
Energlass Plus Argon LSG	33	0.9	0.16	0.23	0.42	78	1 2 3
Energlass Plus Argon LSG w Grilles	32	0.9	0.16	0.21	0.37	78	1 2 3

Supreme Casement Wide Picture	NAFS Ratings	NFRC/Energy Star: NFRC		AAMA/WDMA/CSA/1.S.2-/A440-08: CW-PG40-FW		Size Tested: (60"x96")	
Glass Option	Energy Rating	U-value (metric)	U-value (imperial)	Solar Heat Gain Coefficient	Visible Transmittance	Condensation Resistance	Canadian Energy Star Zones 2015
Clear	20	2.5	0.44	0.61	0.63	44	No/non
Clear w Grilles	17	2.5	0.44	0.55	0.56	44	No/non
LoE/Argon	36	1.6	0.28	0.54	0.62	58	1 2 3
LoE/Argon w Grilles	33	1.6	0.28	0.49	0.56	58	1 2
Energlass	36	1.6	0.28	0.54	0.62	60	1 2 3
Energlass w Grilles	33	1.6	0.28	0.49	0.56	60	1 2
LoE/Argon-LSG	25	1.5	0.26	0.30	0.54	59	1
LoE/Argon-LSG w Grilles	23	1.5	0.26	0.27	0.48	59	1
Energlass-LSG	25	1.5	0.26	0.30	0.54	61	1
Energlass-LSG w Grilles	23	1.5	0.26	0.27	0.48	61	1
Triple	34	1.7	0.30	0.55	0.58	61	1 2 3
Triple w Grilles	31	1.7	0.30	0.50	0.52	61	1 2
Triple LoE/Argon x 1	42	1.2	0.21	0.49	0.57	69	1 2 3
Triple LoE/Argon x 1 w Grilles	39	1.2	0.21	0.44	0.51	69	1 2 3
Triple LoE/Argon x 1 LSG	30	1.2	0.21	0.28	0.49	70	1 2 3
Triple LoE/Argon x 1 LSG w Grilles	28	1.2	0.21	0.25	0.44	70	1 2 3
Energlass Plus Argon	46	1.0	0.17	0.47	0.56	75	1 2 3
Energlass Plus Argon w Grilles	43	1.0	0.17	0.42	0.50	75	1 2 3
Energlass Plus Argon LSG	34	0.9	0.16	0.24	0.42	77	1 2 3
Energlass Plus Argon LSG w Grilles	32	0.9	0.16	0.21	0.37	77	1 2 3

Supreme Casement Narrow Picture	NAFS Ratings	Range					
		NFRC/Energy Star: NFRC		AAMA/WDMA/CSA/IS.2-/A440-08: LC-PG35-FW Size Tested: (57"x108")	AAMA/WDMA/CSA/IS.2-/A440-08: LC-PG40-FW Size Tested: (60"x96")		
Glass Option	Energy Rating	U-value (metric)	U-value (imperial)	Solar Heat Gain Coefficient	Visible Transmittance	Condensation Resistance	Canadian Energy Star Zones 2015
Clear	22	2.6	0.46	0.68	0.71	44	No/non
Clear w Grilles	18	2.6	0.46	0.61	0.64	44	No/non
LoE/Argon	39	1.7	0.29	0.61	0.70	54	1 2 3
LoE/Argon w Grilles	35	1.7	0.29	0.55	0.63	54	1 2 3
Energlass	40	1.6	0.28	0.61	0.70	56	1 2 3
Energlass w Grilles	37	1.6	0.28	0.55	0.63	56	1 2 3
LoE/Argon-LSG	25	1.5	0.27	0.33	0.61	59	1
LoE/Argon-LSG w Grilles	24	1.5	0.27	0.30	0.54	59	1
Energlass-LSG	26	1.5	0.26	0.33	0.61	61	1
Energlass-LSG w Grilles	25	1.5	0.26	0.30	0.54	61	1
Triple	37	1.8	0.31	0.62	0.65	61	1 2 3
Triple w Grilles	34	1.8	0.31	0.56	0.58	61	1 2 3
Triple LoE/Argon x 1	46	1.2	0.21	0.55	0.64	70	1 2 3
Triple LoE/Argon x 1 w Grilles	43	1.2	0.21	0.50	0.57	70	1 2 3
Triple LoE/Argon x 1 LSG	32	1.2	0.21	0.31	0.55	71	1 2 3
Triple LoE/Argon x 1 LSG w Grilles	30	1.2	0.21	0.28	0.50	71	1 2 3
Energlass Plus Argon	50	0.9	0.16	0.53	0.63	76	1 2 3
Energlass Plus Argon w Grilles	48	0.9	0.16	0.48	0.56	76	1 2 3
Energlass Plus Argon LSG	36	0.9	0.15	0.26	0.47	78	1 2 3
Energlass Plus Argon LSG w Grilles	35	0.9	0.15	0.24	0.42	78	1 2 3

Supreme Single Hung	NAFS Ratings	Range					
		NFRC/Energy Star: NFRC		AAMA/WDMA/CSA/IS.2-/A440-08: LC-PG40-H Size Tested: (43"x84")	AAMA/WDMA/CSA/IS.2-/A440-08: R-PG70-H Size Tested: (40"x63")		
Glass Options	Energy Rating	U-value (metric)	U-value (imperial)	Solar Heat Gain Coefficient	Visible Transmittance	Condensation Resistance	Canadian Energy Star Zones 2015
Clear	16	2.7	0.47	0.62	0.64	42	No/non
Clear w Grilles	12	2.7	0.47	0.55	0.57	42	No/non
LoE/Argon	32	1.8	0.31	0.55	0.64	54	1 2
LoE/Argon w Grilles	29	1.8	0.31	0.50	0.57	54	1 2
Energlass	35	1.6	0.29	0.55	0.64	56	1 2 3
Energlass w Grilles	32	1.6	0.29	0.50	0.57	56	1 2
LoE/Argon-LSG	20	1.6	0.29	0.30	0.55	56	No/non
LoE/Argon-LSG w Grilles	19	1.6	0.29	0.27	0.49	56	No/non
Energlass-LSG	23	1.5	0.27	0.30	0.55	57	1
Energlass-LSG w Grilles	21	1.5	0.27	0.27	0.49	57	1
Triple Clear	27	2.0	0.35	0.54	0.58	55	1
Triple Clear w Grilles	24	2.0	0.35	0.50	0.53	55	No/non
Triple LoE/Argon x 1	33	1.5	0.27	0.48	0.58	62	1 2
Triple LoE/Argon x 1 w Grilles	29	1.6	0.29	0.45	0.52	62	1 2
Energlass Plus Argon	39	1.2	0.22	0.47	0.57	67	1 2 3
Energlass Plus Argon w Grilles	32	1.5	0.26	0.43	0.51	67	1 2
Energlass Plus Krypton	43	1.1	0.19	0.48	0.57	70	1 2 3
Energlass Plus Krypton w Grilles	35	1.3	0.23	0.43	0.51	70	1 2 3
Triple LoE/Argon x 1 LSG	25	1.4	0.24	0.27	0.50	65	1 2
Triple LoE/Argon x 1 LSG w Grilles	18	1.6	0.28	0.24	0.44	65	1
Energlass Plus Argon LSG	26	1.2	0.21	0.23	0.42	69	1 2 3
Energlass Plus Argon LSG w Grilles	20	1.4	0.25	0.21	0.38	69	1 2
Energlass Plus Krypton - LSG	30	1.0	0.18	0.23	0.42	71	1 2 3
Energlass Plus Krypton - LSG w Grilles	24	1.2	0.22	0.21	0.38	71	1 2

Supreme Single Glider		NAFS Ratings		AAMA/WDMA/CSA/1.S.2-/A440-08: R-PG40-HS		Size Tested: (63"x39")	
Energy Rating	U-value (metric)	U-value (imperial)	Solar Heat Gain Coefficient	Visible Transmittance	Condensation Resistance	Canadian Energy Star Zones 2015	
Clear	16	2.7	0.47	0.62	0.64	46	No/non
Clear w Grilles	12	2.7	0.47	0.55	0.57	46	No/non
LoE/Argon	32	1.8	0.31	0.55	0.64	55	1 2
LoE/Argon w Grilles	29	1.8	0.31	0.50	0.57	55	1 2
Energias	34	1.7	0.30	0.55	0.64	57	1 2 3
Energias w Grilles	31	1.7	0.30	0.50	0.57	57	1 2
LoE/Argon-LSG	20	1.6	0.29	0.30	0.55	56	No/non
LoE/Argon-LSG w Grilles	19	1.6	0.29	0.27	0.49	56	No/non
Energias-LSG	22	1.6	0.28	0.30	0.55	59	1
Energias-LSG w Grilles	20	1.6	0.28	0.27	0.49	59	1
Triple Clear	28	2.0	0.35	0.56	0.59	54	1
Triple Clear w Grilles	23	2.0	0.36	0.50	0.53	54	No/non
Triple LoE/Argon x 1	36	1.5	0.26	0.50	0.58	62	1 2 3
Triple LoE/Argon x 1 w Grilles	29	1.6	0.29	0.45	0.52	62	1 2
Energias Plus Argon	39	1.2	0.22	0.48	0.57	66	1 2 3
Energias Plus Argon w Grilles	32	1.5	0.26	0.43	0.51	66	1 2
Energias Plus Krypton	43	1.1	0.19	0.48	0.57	69	1 2 3
Energias Plus Krypton w Grilles	35	1.3	0.23	0.43	0.51	69	1 2 3
Triple LoE/Argon x 1 LSG	24	1.4	0.25	0.27	0.50	64	1 2
Triple LoE/Argon x 1 LSG w Grilles	18	1.6	0.28	0.24	0.44	64	1
Energias Plus Argon LSG	26	1.2	0.21	0.23	0.42	67	1 2 3
Energias Plus Argon LSG w Grilles	20	1.4	0.25	0.21	0.38	667	1 2
Energias Plus Krypton - LSG	30	1.0	0.18	0.23	0.42	70	1 2 3
Energias Plus Krypton - LSG w Grilles	24	1.2	0.22	0.21	0.38	70	1 2

Supreme Single Hung Picture Window		NAFS Ratings		AAMA/WDMA/CSA/1.S.2-/A440-08: R-PG50-FW		AAMA/WDMA/CSA/1.S.2-/A440-08: CW-PG60-FW	
Energy Rating	U-value (metric)	U-value (imperial)	Solar Heat Gain Coefficient	Visible Transmittance	Condensation Resistance	Canadian Energy Star Zones 2015	
Clear	20	2.6	0.46	0.64	0.66	43	No/non
Clear w Grilles	16	2.6	0.46	0.57	0.59	43	No/non
LoE/Argon	36	1.7	0.30	0.57	0.66	56	1 2 3
LoE/Argon w Grilles	32	1.7	0.30	0.51	0.59	56	1 2
Energias	38	1.6	0.28	0.57	0.66	59	1 2 3
Energias w Grilles	35	1.6	0.28	0.51	0.59	59	1 2 3
LoE/Argon-LSG	23	1.6	0.28	0.31	0.57	58	1
LoE/Argon-LSG w Grilles	21	1.6	0.28	0.28	0.51	58	1
Energias-LSG	25	1.5	0.26	0.31	0.57	61	1
Energias-LSG w Grilles	24	1.5	0.26	0.28	0.51	61	1
Triple Clear	31	1.9	0.34	0.58	0.61	55	1 2
Triple Clear w Grilles	26	2.0	0.35	0.52	0.53	55	1
Triple LoE/Argon x 1	38	1.4	0.25	0.51	0.60	63	1 2 3
Triple LoE/Argon x 1 w Grilles	30	1.6	0.29	0.46	0.52	63	1,2
Energias Plus Argon	42	1.2	0.21	0.49	0.59	69	1 2 3
Energias Plus Argon w Grilles	35	1.4	0.25	0.45	0.51	69	1,2,3
Energias Plus Krypton	48	1.0	0.17	0.50	0.57	74	1,2,3
Energias Plus Krypton w Grilles	38	1.2	0.22	0.45	0.51	74	1,2,3
Triple LoE/Argon x 1 LSG	27	1.3	0.23	0.28	0.51	66	1 2
Triple LoE/Argon x 1 LSG w Grilles	21	1.5	0.27	0.25	0.46	66	1
Energias Plus Argon LSG	29	1.1	0.20	0.24	0.44	71	1 2 3
Energias Plus Argon LSG w Grilles	23	1.4	0.24	0.22	0.39	71	1,2
Energias Plus Krypton - LSG	34	0.9	0.16	0.24	0.44	75	1 2 3
Energias Plus Krypton - LSG w Grilles	26	1.2	0.21	0.22	0.39	75	1,2,3

Thermal Performance, Energy Star and NAFS Ratings

Supreme Double Hung		NAFS Ratings	NFRC/Energy Star: NFRC					AAMA/WDMA/CSA/1.S.2-/A440-08: R-PG50-H		Size Tested: (40"x63")
Glass Options	Energy Rating	U-value (metric)	U-value (imperial)	Solar Heat Gain Coefficient	Visible Transmittance	Condensation Resistance	Canadian Energy Star Zones 2015			
Clear	15	2.6	0.46	0.58	0.60	43	No/non			
Clear w Grilles	12	2.6	0.46	0.52	0.54	43	No/non			
LoE/Argon	31	1.8	0.31	0.52	0.59	55	1 2			
LoE/Argon w Grilles	27	1.8	0.31	0.46	0.53	55	1			
Energlass	31	1.8	0.31	0.52	0.59	58	1 2			
Energlass w Grilles	27	1.8	0.31	0.46	0.53	58	1			
LoE/Argon-LSG	18	1.7	0.30	0.29	0.52	57	No/non			
LoE/Argon-LSG w Grilles	17	1.7	0.30	0.26	0.46	57	No/non			
Energlass-LSG	20	1.6	0.29	0.29	0.52	59	No/non			
Energlass-LSG w Grilles	18	1.6	0.29	0.26	0.46	59	No/non			
Triple LoE/Argon x 1	29	1.7	0.30	0.47	0.54	61	1 2			
Triple LoE/Argon x 1 LSG	18	1.6	0.29	0.27	0.47	63	No/non			
Energlass Plus Argon LSG	21	1.4	0.25	0.23	0.40	66	1 2			
Energlass Plus Krypton LSG	27	1.1	0.20	0.23	0.40	67	1 2 3			
Energlass Plus Argon	33	1.5	0.26	0.45	0.53	66	1 2			
Energlass Plus Krypton	38	1.2	0.22	0.45	0.53	66	1 2 3			

Supreme Double Glider		NAFS Ratings	NFRC/Energy Star: NFRC					AAMA/WDMA/CSA/1.S.2-/A440-08: R-PG45-S		Size Tested: (63"x44")
Glass Options	Energy Rating	U-value (metric)	U-value (imperial)	Solar Heat Gain Coefficient	Visible Transmittance	Condensation Resistance	Canadian Energy Star Zones 2015			
Clear	14	2.6	0.46	0.58	0.60	43	No/non			
Clear w Grilles	11	2.6	0.46	0.52	0.53	43	No/non			
LoE/Argon	29	1.8	0.31	0.52	0.59	56	1 2			
LoE/Argon w Grilles	26	1.8	0.31	0.46	0.53	56	1			
Energlass	31	1.7	0.30	0.52	0.59	58	1 2			
Energlass w Grilles	27	1.7	0.30	0.46	0.53	58	1			
LoE/Argon-LSG	18	1.6	0.29	0.28	0.51	57	No/non			
LoE/Argon-LSG w Grilles	17	1.6	0.29	0.26	0.46	57	No/non			
Energlass-LSG	18	1.6	0.29	0.28	0.51	60	No/non			
Energlass-LSG w Grilles	17	1.6	0.29	0.26	0.46	60	No/non			
Triple LoE/Argon x 1	27	1.7	0.30	0.46	0.54	60	1			
Triple LoE/Argon x 1 LSG	17	1.6	0.29	0.27	0.47	61	No/non			
Energlass Plus Argon LSG	20	1.4	0.25	0.23	0.40	65	1 2			
Energlass Plus Krypton LSG	26	1.1	0.20	0.22	0.40	69	1 2 3			
Energlass Plus Argon	31	1.5	0.26	0.44	0.53	64	1 2			
Energlass Plus Krypton	38	1.2	0.21	0.45	0.53	68	1 2 3			

Supreme Double Hung Picture Window		NAFS Ratings	NFRC/Energy Star: NFRC					There are no available NAFS Ratings for this product
Glass Options	Energy Rating	U-value (metric)	U-value (imperial)	Solar Heat Gain Coefficient	Visible Transmittance	Condensation Resistance	Canadian Energy Star Zones 2015	
Clear	18	2.6	0.46	0.62	0.65	46		
Clear w Grilles	14	2.6	0.46	0.56	0.58	46		
LoE/Argon	35	1.7	0.30	0.56	0.64	57	1 2 3	
LoE/Argon w Grilles	31	1.7	0.30	0.50	0.57	57	1 2	
Energlass	35	1.6	0.29	0.56	0.64	59	1 2 3	
Energlass w Grilles	31	1.6	0.29	0.50	0.57	59	1 2	
Triple Clear	24	2.2	0.37	0.56	0.59	53		
Triple LoE/Argon x 1 LSG	22	1.6	0.28	0.29	0.51	62	1	
Energlass Plus Argon LSG	26	1.3	0.23	0.25	0.44	66	1 2	
Energlass Plus Krypton LSG	32	1.0	0.18	0.25	0.44	67	1 2 3	
Energlass Plus Argon	36	1.4	0.25	0.48	0.58	66	1 2 3	
Energlass Plus Krypton	43	1.1	0.20	0.48	0.58	67	1 2 3	
LoE/Argon-LSG	23	1.6	0.28	0.31	0.56	59	1	
LoE/Argon-LSG w Grilles	21	1.6	0.28	0.28	0.50	59	1	
Energlass-LSG	24	1.5	0.27	0.31	0.56	61	1	
Energlass-LSG w Grilles	22	1.5	0.27	0.28	0.50	61	1	

Tilt and Turn Window		NAFS Ratings	NFRC/Energy Star: NFRC		AAMA/WDMA/CSA/ISO 15444-08: CW-PG100-DAW		Size Tested: (48"x71")
Glass Options	Energy Rating	U-value (metric)	U-value (imperial)	Solar Heat Gain Coefficient	Visible Transmittance	Condensation Resistance	Canadian Energy Star Zones 2015
Clear	18	2.4	0.42	0.53	0.55	45	
Clear w Grilles	15	2.4	0.42	0.47	0.48	45	
LoE/Argon	32	1.6	0.28	0.47	0.54	60	1 2
LoE/Argon w Grilles	29	1.6	0.28	0.42	0.48	60	1 2
Energlass	33	1.5	0.27	0.47	0.54	62	1 2
Energlass w Grilles	31	1.5	0.27	0.42	0.48	62	1 2
LoE/Argon-LSG	22	1.5	0.26	0.26	0.47	62	1
LoE/Argon-LSG w Grilles	21	1.5	0.26	0.23	0.41	62	1
Energlass-LSG	22	1.5	0.26	0.26	0.47	63	1
Energlass-LSG w Grilles	21	1.5	0.26	0.23	0.41	63	1
Triple LoE/x 1 LSG	24	1.4	0.24	0.24	0.43	70	1 2
Triple LoE/ x 1 LSG w Grilles	23	1.4	0.24	0.22	0.38	70	1 2
Triple LoE/Argon x 1 LSG	26	1.2	0.22	0.24	0.43	73	1 2
Triple LoE/Argon x 1 LSG w Grilles	25	1.2	0.22	0.22	0.38	73	1 2
Energlass Plus Argon LSG	31	1.0	0.17	0.21	0.36	74	1 2 3
Energlass Plus Argon LSG w Grilles	29	1.0	0.17	0.18	0.32	74	1 2 3
Energlass Plus Argon	41	1.0	0.18	0.41	0.49	73	1 2 3
Energlass Plus Argon w Grilles	38	1.0	0.18	0.36	0.43	73	1 2 3
Triple Clear	30	1.7	0.30	0.48	0.50	63	1 2
Triple Clear w Grilles	27	1.7	0.30	0.43	0.44	63	1

Tilt & Turn Picture Window	NAFS Ratings	NFRC/Energy Star: NFRC		AAMA/WDMA/CSA/I.S.2-/A440-08: AW-PG70-FW Size Tested: (60"x96")		AAMA/WDMA/CSA/I.S.2-/A440-08: CW-PG75-FW Size Tested: (72"x96")	
		Energy Rating	U-value (metric)	U-value (imperial)	Solar Heat Gain Coefficient	Visible Transmittance	Condensation Resistance
Clear	22	2.5	0.44	0.64	0.66	45	
Clear w Grilles	18	2.5	0.44	0.57	0.59	45	
LoE/Argon	38	1.6	0.28	0.57	0.65	60	1 2 3
LoE/Argon w Grilles	34	1.6	0.28	0.51	0.58	60	1 2 3
Energglas	39	1.5	0.27	0.57	0.65	62	1 2 3
Energglas w Grilles	36	1.5	0.27	0.51	0.58	62	1 2 3
LoE/Argon-LSG	25	1.5	0.26	0.31	0.57	61	1
LoE/Argon-LSG w Grilles	24	1.5	0.26	0.28	0.51	61	1
Energglas-LSG	25	1.5	0.26	0.31	0.57	63	1
Energglas-LSG w Grilles	24	1.5	0.26	0.28	0.51	63	1
Triple LoE/x 1 LSG	28	1.3	0.23	0.29	0.52	73	1 2
Triple LoE/ x 1 LSG w Grilles	26	1.3	0.23	0.26	0.46	73	1 2
Triple LoE/Argon x 1 LSG	30	1.2	0.21	0.29	0.52	73	1 2 3
Triple LoE/Argon x 1 LSG w Grilles	29	1.2	0.21	0.26	0.46	73	1 2 3
Energglas Plus Argon LSG	35	0.9	0.15	0.25	0.44	75	1 2 3
Energglas Plus Argon LSG w Grilles	34	0.9	0.15	0.23	0.39	75	1 2 3
Energglas Plus Argon	47	1.0	0.17	0.49	0.59	74	1 2 3
Energglas Plus Argon w Grilles	44	1.0	0.17	0.44	0.52	74	1 2 3
Triple Clear	36	1.7	0.30	0.58	0.61	63	1 2 3
Triple Clear w Grilles	32	1.7	0.30	0.52	0.54	63	1 2

6000 Plus Casement	NAFS Ratings	NFRC/Energy Star: NFRC		AAMA/WDMA/CSA/I.S.2-/A440-08: R-PG55-C		Size Tested: (32"x63")	
		Energy Rating	U-value (metric)	U-value (imperial)	Solar Heat Gain Coefficient	Visible Transmittance	Condensation Resistance
Clear	18	2.2	0.39	0.49	0.51	45	No/non
Clear w Grilles	15	2.2	0.39	0.45	0.46	45	No/non
LoE/Argon-LSG	23	1.4	0.25	0.24	0.44	62	1 2
LoE/Argon-LSG w Grilles	21	1.4	0.25	0.22	0.39	62	1 2
Triple Clear	29	1.6	0.28	0.45	0.47	60	1 2
Triple Clear w Grilles	26	1.6	0.28	0.40	0.42	60	1
Triple LoE/Argon x 1 LSG	2	1.2	0.21	0.23	0.40	69	1 2 3
Triple LoE/Argon x 1 LSG w Grilles	26	1.2	0.21	0.21	0.36	69	1 2 3
Energglas Plus Argon LSG	30	1.0	0.17	0.19	0.34	77	1 2 3
Energglas Plus Argon LSG w Grilles	29	1.0	0.17	0.18	0.31	77	1 2 3
LoE/Argon	31	1.5	0.27	0.44	0.51	60	1 2
LoE/Argon w Grilles	29	1.5	0.27	0.40	0.46	60	1 2
Triple LoE/Argon x 1	35	1.2	0.22	0.40	0.46	69	1 2 3
Triple LoE/Argon x 1 w Grilles	32	1.2	0.22	0.36	0.42	69	1 2
Energglas Plus Argon	39	1.0	0.18	0.38	0.45	75	1 2 3
Energglas Plus Argon w Grilles	37	1.0	0.18	0.35	0.41	75	1 2 3

Thermal Performance, Energy Star and NAFS Ratings

6000 Plus Awning		NAFS Ratings	NFRC/Energy Star: NFRC		AAMA/WDMA/CSA/1.S.2-/A440-08: LC-PG40		Size Tested: (48"x40")	
Glass Option	Energy Rating	U-value (metric)	U-value (imperial)	Solar Heat Gain Coefficient	Visible Transmittance	Condensation Resistance	Canadian Energy Star Zones 2015	
Clear	20	2.3	0.40	0.49	0.51	44	No/non	
Clear w Grilles	17	2.3	0.40	0.45	0.46	44	No/non	
LoE/Argon-LSG	21	1.5	0.26	0.24	0.44	60	1	
LoE/Argon-LSG w Grilles	19	1.5	0.26	0.22	0.39	60	1	
Triple Clear	31	1.6	0.29	0.45	0.47	60	1 2	
Triple Clear w Grilles	28	1.6	0.29	0.40	0.42	60	1	
Triple LoE/Argon x 1 LSG	26	1.2	0.21	0.23	0.40	70	1 2 3	
Triple LoE/Argon x 1 LSG w Grilles	25	1.2	0.21	0.21	0.36	70	1 2 3	
Energias Plus Argon LSG	29	1.0	0.17	0.19	0.34	75	1 2 3	
Energias Plus Argon LSG w Grilles	28	1.0	0.17	0.18	0.31	75	1 2 3	
LoE/Argon	32	1.5	0.27	0.44	0.51	59	1 2	
LoE/Argon w Grilles	29	1.5	0.27	0.40	0.46	59	1 2	
Triple LoE/Argon x 1	36	1.2	0.22	0.40	0.46	67	1 2 3	
Triple LoE/Argon x 1 w Grilles	33	1.2	0.22	0.36	0.42	67	1 2	
Energias Plus Argon	39	1.0	0.18	0.38	0.45	74	1 2 3	
Energias Plus Argon w Grilles	38	1.0	0.18	0.35	0.41	74	1 2 3	

6000 Plus Casement Picture Window		NAFS Ratings	NFRC/Energy Star: NFRC		AAMA/WDMA/CSA/1.S.2-/A440-08: CW-PG70-FW		Size Tested: (90"x60")	
Glass Options	Energy Rating	U-value (metric)	U-value (imperial)	Solar Heat Gain Coefficient	Visible Transmittance	Condensation Resistance	Canadian Energy Star Zones 2015	
Clear	22	2.6	0.45	0.67	0.70	45	No/non	
Clear w Grilles	18	2.6	0.45	0.60	0.63	45	No/non	
LoE/Argon-LSG	28	1.4	0.25	0.33	0.60	62	1 2	
LoE/Argon-LSG w Grilles	26	1.4	0.25	0.30	0.54	62	1 2	
Triple Clear	38	1.7	0.30	0.61	0.64	62	1 2 3	
Triple Clear w Grilles	34	1.7	0.30	0.55	0.57	62	1 2 3	
Triple LoE/Argon x 1 LSG	32	1.1	0.20	0.30	0.55	72	1 2 3	
Triple LoE/Argon x 1 LSG w Grilles	31	1.1	0.20	0.27	0.49	72	1 2 3	
Energias Plus Argon LSG	38	0.8	0.14	0.26	0.47	79	1 2 3	
Energias Plus Argon LSG w Grilles	36	0.8	0.14	0.23	0.42	79	1 2 3	
LoE/Argon	40	1.6	0.28	0.60	0.69	61	1 2 3	
LoE/Argon w Grilles	36	1.6	0.28	0.54	0.62	61	1 2 3	
Triple LoE/Argon x 1	45	1.2	0.21	0.54	0.63	71	1 2 3	
Triple LoE/Argon x 1 w Grilles	42	1.2	0.21	0.49	0.57	71	1 2 3	
Energias Plus Argon	50	0.9	0.16	0.52	0.62	78	1 2 3	
Energias Plus Argon w Grilles	47	0.9	0.16	0.47	0.56	78	1 2 3	