

Select Casement	Size Tested			NAFS Ratings			
	34" x 80"			AAMA/WDMA/CSA/1.S.2-/A440-08: LC-PG60-C			
	Energy Rating	U-value (metric)	U-value (imperial)	Solar Heat Gain Coefficient	Visible Transmittance	Condensation Resistance	Canadian Energy Star Zones 2015
<b>Glass Options</b>							
Clear	17	2.4	0.42	0.51	0.53	45	No/non
Clear w Grilles	14	2.4	0.42	0.46	0.48	45	No/non
LoE/Argon	30	1.6	0.29	0.46	0.52	59	1 2
LoE/Argon w Grilles	27	1.6	0.29	0.41	0.47	59	1
Energlass	31	1.6	0.28	0.46	0.52	61	1 2
Energlass w Grilles	28	1.6	0.28	0.41	0.47	61	1
LoE/Argon-LSG	19	1.6	0.28	0.25	0.45	61	1
LoE/Argon-LSG w Grilles	18	1.6	0.28	0.23	0.41	61	1
Energlass-LSG	21	1.5	0.27	0.25	0.45	63	1
Energlass-LSG w Grilles	19	1.5	0.27	0.23	0.41	63	1
Triple Clear	30	1.6	0.29	0.46	0.49	61	1 2
Triple w Grilles	28	1.6	0.29	0.42	0.44	61	1
Triple LoE/Argon x 1 LSG	26	1.2	0.22	0.23	0.41	71	1 2
Triple LoE/Argon x 1 LSG w Grilles	24	1.2	0.22	0.21	0.37	71	1 2
Energls Plus Argon LSG	29	1.0	0.18	0.20	0.35	79	1 2 3
Energls Plus Argon LSG w Grilles	28	1.0	0.18	0.18	0.32	79	1 2 3
Triple LoE/Argon x 1	36	1.2	0.22	0.41	0.48	71	1 2 3
Triple LoE/Argon x 1 w Grilles	34	1.2	0.22	0.37	0.43	71	1 2 3
Energls Plus Argon	38	1.1	0.19	0.39	0.47	78	1 2 3
Energls Plus Argon w Grilles	37	1.1	0.19	0.36	0.43	78	1 2 3

Select Awning	Size Tested			NAFS Ratings			
	40" x 63"			AAMA/WDMA/CSA/1.S.2-/A440-08: CW-PG70-AP			
	Energy Rating	U-value (metric)	U-value (imperial)	Solar Heat Gain Coefficient	Visible Transmittance	Condensation Resistance	Canadian Energy Star Zones 2015
<b>Glass Options</b>							
Clear	16	2.4	0.43	0.51	0.53	44	No/non
Clear w Grilles	13	2.4	0.43	0.46	0.48	44	No/non
LoE/Argon	29	1.7	0.30	0.46	0.52	58	1 2
LoE/Argon w Grilles	26	1.7	0.30	0.41	0.47	58	1
Energlass	30	1.6	0.29	0.46	0.52	60	1 2
Energlass w Grilles	27	1.6	0.29	0.41	0.47	60	1
LoE/Argon-LSG	19	1.6	0.28	0.25	0.46	60	1
LoE/Argon-LSG w Grilles	18	1.6	0.28	0.23	0.41	60	1
Energlass-LSG	21	1.5	0.27	0.25	0.46	62	1
Energlass-LSG w Grilles	19	1.5	0.27	0.23	0.41	62	1
Triple Clear	29	1.7	0.30	0.46	0.49	61	1 2
Triple w Grilles	27	1.7	0.30	0.42	0.44	61	1
Triple LoE/Argon x 1 LSG	26	1.2	0.22	0.23	0.41	72	1 2
Triple LoE/Argon x 1 LSG w Grilles	24	1.2	0.22	0.21	0.37	72	1 2
Energls Plus Argon LSG	29	1.0	0.18	0.20	0.35	77	1 2 3
Energls Plus Argon LSG w Grilles	28	1.0	0.18	0.18	0.32	77	1 2 3
Triple LoE/Argon x 1	36	1.2	0.22	0.41	0.48	69	1 2 3
Triple LoE/Argon x 1 w Grilles	34	1.2	0.22	0.37	0.43	69	1 2 3
Energls Plus Argon	38	1.1	0.19	0.39	0.47	76	1 2 3
Energls Plus Argon w Grilles	37	1.1	0.19	0.36	0.43	76	1 2 3

Select Casement Fixed Sash	Size Tested			NAFS Ratings			
	60" x 39.75"			AAMA/WDMA/CSA/I.S.2-/A440-08: LC-PG40-FW			
	Energy Rating	U-value (metric)	U-value (imperial)	Solar Heat Gain Coefficient	Visible Transmittance	Condensation Resistance	Canadian Energy Star Zones 2015
Glass Options							
Clear	20	2.5	0.44	0.60	0.63	44	No/non
Clear w Grilles	16	2.5	0.44	0.54	0.56	44	No/non
LoE/Argon	36	1.6	0.28	0.54	0.62	59	1 2 3
LoE/Argon w Grilles	33	1.6	0.28	0.48	0.55	59	1 2
Energias	36	1.6	0.28	0.54	0.62	61	1 2 3
Energias w Grilles	33	1.6	0.28	0.48	0.55	61	1 2
LoE/Argon-LSG	24	1.5	0.27	0.30	0.54	60	1
LoE/Argon-LSG w Grilles	22	1.5	0.27	0.27	0.48	60	1
Energias-LSG	24	1.5	0.26	0.30	0.54	62	1
Energias-LSG w Grilles	22	1.5	0.26	0.27	0.48	62	1
Triple Clear	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 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
Energls Plus Argon LSG	33	0.9	0.16	0.23	0.42	78	1 2 3
Energls Plus Argon LSG w Grilles	32	0.9	0.16	0.21	0.37	78	1 2 3
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	0.51	70	1 2 3
Energls Plus Argon	46	1.0	0.17	0.47	0.56	77	1 2 3
Energls Plus Argon w Grilles	43	1.0	0.17	0.42	0.50	77	1 2 3

Select Narrow Picture Window	Size Tested			NAFS Ratings			
	60" x 39.75"			AAMA/WDMA/CSA/I.S.2-/A440-08: LC-PG40-FW			
	Energy Rating	U-value (metric)	U-value (imperial)	Solar Heat Gain Coefficient	Visible Transmittance	Condensation Resistance	Canadian Energy Star Zones 2015
Glass Option							
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
Energias	40	1.6	0.28	0.61	0.70	56	1 2 3
Energias 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
Energias-LSG	26	1.5	0.26	0.33	0.61	61	1
Energias-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
Energias Plus Argon	50	0.9	0.16	0.53	0.63	76	1 2 3
Energias Plus Argon w Grilles	48	0.9	0.16	0.48	0.56	76	1 2 3
Energias Plus Argon LSG	36	0.9	0.15	0.26	0.47	78	1 2 3
Energias Plus Argon LSG w Grilles	35	0.9	0.15	0.24	0.42	78	1 2 3

Select Wide Picture Window	Size Tested			NAFS Rating			
	60" x 96"			AAMA/WDMA/CSA/I.S.2-/A440-08: CW-PG45-FW			
	80" x 34"			AAMA/WDMA/CSA/I.S.2-/A440-08: CW-PG60-FW			
Glass Options	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	N/A
Clear w Grilles	16	2.5	0.44	0.54	0.56	44	N/A
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	0.55	58	1 2
Energias	36	1.6	0.28	0.54	0.62	57	1 2 3
Energias w Grilles	33	1.6	0.28	0.49	0.55	57	1 2
LoE/Argon-LSG	24	1.5	0.27	0.30	0.54	59	1
LoE/Argon-LSG w Grilles	22	1.5	0.27	0.27	0.48	59	1
Energias-LSG	25	1.5	0.26	0.30	0.54	62	1
Energias-LSG w Grilles	23	1.5	0.26	0.27	0.48	62	1
Triple Clear	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 LSG	30	1.2	0.21	0.28	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
Energls Plus Argon LSG	35	0.9	0.15	0.24	0.42	79	1 2 3
Energls Plus Argon LSG w Grilles	33	0.9	0.15	0.21	0.37	79	1 2 3
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	0.51	70	1 2 3
Energls Plus Argon	46	1.0	0.17	0.47	0.56	77	1 2 3
Energls Plus Argon w Grilles	43	1.0	0.17	0.42	0.50	77	1 2 3

Select Single Hung	Size Tested			NAFS Ratings			
	40" x 80"			AAMA/WDMA/CSA/I.S.2-/A440-08: R-PG35-H			
	Glass Options	Energy Rating	U-value (metric)	U-value (imperial)	Solar Heat Gain Coefficient	Visible Transmittance	Condensation Resistance
Clear	15	2.7	0.48	0.62	0.64	42	No/non
Clear w Grilles	11	2.7	0.48	0.55	0.58	42	No/non
LoE/Argon	31	1.8	0.32	0.55	0.64	54	1 2
LoE/Argon w Grilles	28	1.8	0.32	0.50	0.57	54	1
Energias	32	1.8	0.31	0.55	0.64	57	1 2
Energias w Grilles	30	1.8	0.31	0.50	0.57	57	1 2
LoE/Argon-LSG	19	1.7	0.30	0.30	0.55	55	No/non
LoE/Argon-LSG w Grilles	17	1.7	0.30	0.27	0.49	55	No/non
Energias-LSG	20	1.6	0.29	0.30	0.55	58	No/non
Energias-LSG w Grilles	19	1.6	0.29	0.27	0.49	58	No/non

Select Single Glider	Size Tested			NAFS Ratings			
	72" x 60"			AAMA/WDMA/CSA/I.S.2-/A440-08: LC-PG30-HS			
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	2.7	0.48	0.62	0.64	42	No/non
Clear w Grilles	11	2.7	0.48	0.55	0.57	42	No/non
LoE/Argon	31	1.8	0.32	0.55	0.63	54	1 2
LoE/Argon w Grilles	28	1.8	0.32	0.49	0.57	54	1
Energlass	32	1.8	0.31	0.55	0.63	57	1 2
Energlass w Grilles	29	1.8	0.31	0.49	0.57	57	1 2
LoE/Argon-LSG	19	1.7	0.30	0.30	0.55	55	No/non
LoE/Argon-LSG w Grilles	18	1.7	0.30	0.27	0.49	55	No/non
Energlass-LSG	21	1.6	0.29	0.30	0.55	58	No/non
Energlass-LSG w Grilles	19	1.6	0.29	0.27	0.49	58	No/non

Select Single Hung Picture Window	Size Tested			NAFS Ratings			
	50" x 100"			AAMA/WDMA/CSA/I.S.2-/A440-08: R-PG40-FW			
	72" x 80"			AAMA/WDMA/CSA/I.S.2-/A440-08: LC-PG55-FW			
Glass Options	Tested: (47.785"x72")	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	0.65	0.68	43	No/non
Clear w Grilles	16	2.6	0.46	0.58	0.61	43	No/non
LoE/Argon	36	1.7	0.30	0.58	0.67	56	1 2 3
LoE/Argon w Grilles	33	1.7	0.30	0.52	0.60	56	1 2
Energlass	37	1.6	0.29	0.58	0.67	59	1 2 3
Energlass w Grilles	34	1.6	0.29	0.52	0.60	59	1 2 3
LoE/Argon-LSG	23	1.6	0.28	0.32	0.58	58	1
LoE/Argon-LSG w Grilles	21	1.6	0.28	0.29	0.52	58	1
Energlass-LSG	24	1.5	0.27	0.32	0.58	60	1
Energlass-LSG w Grilles	23	1.5	0.27	0.29	0.52	60	1

<b>Select Double Hung</b>	<b>Size Tested</b>	<b>NAFS Ratings</b>
	47.785" x 72"	AAMA/WDMA/CSA/1.S.2-/A440-08: R-PG35-H
	40" x 63"	AAMA/WDMA/CSA/1.S.2-/A440-08: R-PG50-H

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	2.67	0.47	0.62	0.64	42	-
Clear w Grilles	12	2.67	0.47	0.55	0.57	42	-
LoE/Argon	32	1.76	0.31	0.55	0.63	54	1 2
LoE/Argon w Grilles	29	1.76	0.31	0.5	0.56	54	1 2
Energlass IU	33	1.70	0.3	0.55	0.63	53	1 2
Energlass IU w Grilles	30	1.70	0.3	0.5	0.56	53	1 2
Energlass SS	33	1.70	0.3	0.55	0.63	57	1 2
Energlass SS w Grilles	30	1.70	0.3	0.5	0.56	57	1 2
LoE/Argon-LSG	19	1.70	0.3	0.3	0.55	55	-
LoE/Argon-LSG w Grilles	17	1.70	0.3	0.27	0.49	55	-
Energlass IU-LSG	20	1.65	0.29	0.3	0.55	58	-
Energlass IU-LSG w Grilles	18	1.65	0.29	0.27	0.49	58	-
Energlass SS-LSG	20	1.65	0.29	0.3	0.55	58	-
Energlass SS-LSG w Grilles	18	1.65	0.29	0.27	0.49	58	-

<b>Select Double Hung Picture Window</b>	<b>NAFS Ratings</b>	
	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	2.7	0.47	0.64	0.68	45	
Clear w Grilles	15	2.7	0.47	0.58	0.61	45	
LoE/Argon	37	1.7	0.30	0.59	0.67	56	1   2   3
LoE/Argon w Grilles	33	1.7	0.30	0.53	0.60	56	1   2
Energlass	37	1.7	0.30	0.59	0.67	57	1   2   3
Energlass w Grilles	33	1.7	0.30	0.53	0.60	57	1   2
LoE/Argon-LSG	24	1.6	0.28	0.33	0.59	55	1
LoE/Argon-LSG w Grilles	22	1.6	0.28	0.30	0.53	55	1
Energlass-LSG	24	1.6	0.28	0.33	0.59	58	1
Energlass-LSG w Grilles	22	1.6	0.28	0.30	0.53	58	1