

Heritage Casement	NAFS Ratings	NFRC/Energy Star:		AAMA/WDMA/CSA/ISO.2-/A440- AAMA/WDMA/CSA/ISO.2-/A440-08: CW-PG55-C		AAMA/WDMA/CSA/ISO.2-/A440-08: CW-PG70-C	
		NFRC		Size Tested: (38"x78")		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

Heritage Awning	NAFS Ratings	NFRC/Energy Star:		AAMA/WDMA/CSA/ISO.2-/A440-08: LC-PG70-AP		Sizes Tested: (48"x40", 36"x60")	
		NFRC					
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

Heritage Casement Fixed Sash	NAFS Ratings	NFRC/Energy Star: NFRC		AAMA/WDMA/CSA/1.S.2-/A440- 08: CW-PG45-FW		Size Tested: (79"x79")	
		Energy Rating	U-value (metric)	U-value (imperial)	Solar Heat Gain Coefficient	Visible Transmittance	Condensation Resistance
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

Heritage Casement Wide Picture	NAFS Ratings	NFRC/Energy Star: NFRC		AAMA/WDMA/CSA/1.S.2-/A440- 08: CW-PG70-FW		Size Tested: (79"x79")	
		Energy Rating	U-value (metric)	U-value (imperial)	Solar Heat Gain Coefficient	Visible Transmittance	Condensation Resistance
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

Heritage Casement Narrow Picture	NAFS Ratings	NFRC/Energy Star: NFRC		AAMA/WDMA/CSA/I.S.2-/A440- 08: CW-PG70-FW		Size Tested: (79"x79")	
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

Heritage Double Hung	NAFS Ratings	NFRC/Energy Star: NFRC		CSA A440.00: A3, B7, C5, F20, S1		AAMA/WDMA/CSA/I.S.2-/A440- 08: CW-PG70-C		Size Tested: (32"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	0.28	0.51	56	No/non		
LoE/Argon-LSG w Grilles	16	1.7	0.30	0.25	0.45	56	No/non		
Energlass-LSG	19	1.6	0.29	0.28	0.51	58	No/non		
Energlass-LSG w Grilles	17	1.6	0.29	0.25	0.45	58	No/non		
Energlass Plus Argon LSG	21	1.4	0.25	0.23	0.40	65	1 2		
Energlass Plus Krypton LSG	26	1.2	0.21	0.22	0.40	66	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		

Heritage Double Hung Picture Window		NAFS Ratings	NFRC/Energy Star: NFRC				AAMA/WDMA/CSA/I.S.2-/A440-08: CW-PG70-FW		Size Tested: (60"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	19	2.5	0.44	0.59	0.62	44	No/non		
Clear w Grilles	16	2.5	0.44	0.53	0.55	44	No/non		
LoE/Argon	34	1.6	0.29	0.53	0.61	58	1 2 3		
LoE/Argon w Grilles	31	1.6	0.29	0.47	0.54	58	1 2		
Energlass	36	1.6	0.28	0.53	0.61	61	1 2 3		
Energlass w Grilles	32	1.6	0.28	0.47	0.54	61	1 2		
LoE/Argon-LSG	23	1.5	0.27	0.29	0.53	60	1		
LoE/Argon-LSG w Grilles	21	1.5	0.27	0.26	0.47	60	1		
Energlass-LSG	24	1.5	0.26	0.29	0.53	62	1		
Energlass-LSG w Grilles	23	1.5	0.26	0.26	0.47	62	1		
Energlass Plus Argon LSG	31	1.0	0.22	0.23	0.41	71	1 2		
Energlass Plus Krypton LSG	26	1.2	0.18	0.23	0.41	72	1 2 3		
Energlass Plus Argon	38	1.3	0.23	0.46	0.55	70	1 2 3		
Energlass Plus Krypton	43	1.1	0.19	0.46	0.55	72	1 2 3		

Heritage Double Hung Transom		NAFS Ratings	NFRC/Energy Star: NFRC				AAMA/WDMA/CSA/I.S.2-/A440-08: CW-PG70-FW		Size Tested: (79"x79")
Glass Options	Energy Rating	U-value (metric)	U-value (imperial)	Solar Heat Gain Coefficient	Visible Transmittance	Condensation Resistance	Canadian Energy Star Zones 2015		
Clear	21	2.6	0.46	0.66	0.70	48	No/non		
Clear w Grilles	17	2.6	0.46	0.59	0.63	48	No/non		
LoE/Argon	38	1.6	0.29	0.60	0.70	57	1 2 3		
LoE/Argon w Grilles	35	1.6	0.29	0.55	0.63	57	1 2 3		
Energlass	40	1.6	0.28	0.60	0.70	59	1 2 3		
Energlass w Grilles	37	1.6	0.28	0.55	0.63	59	1 2 3		
LoE/Argon-LSG	27	1.5	0.26	0.33	0.60	60	1		
LoE/Argon-LSG w Grilles	25	1.5	0.26	0.30	0.54	60	1		
Energlass-LSG	27	1.5	0.26	0.33	0.60	62	1		
Energlass-LSG w Grilles	25	1.5	0.26	0.30	0.54	62	1		
Energlass Plus Argon LSG	36	0.9	0.15	0.26	0.47	80	1 2 3		
Energlass Plus Argon	50	0.9	0.16	0.52	0.62	78	1 2 3		

Heritage Double Hung Replacement	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	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

Heritage Double Hung Replacement 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	No/non	
Clear w Grilles	14	2.6	0.46	0.56	0.58	46	No/non	
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	No/non	
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	