

Select Casement	NAFs Ratings		NFRC/Energy Star: NFRC		AAMA/WDMA/CSA/1.S. 2-A440-08: LC-PG60-C	Size Tested: (34"x80")	
	Energy Rating	U-value (metric)	U-value (imperial)	Solar Heat Gain Coefficient	Visible Transmittance	Condensation Resistance	Energy Star Zones 2016
Clear	17	2.4	0.42	0.51	0.53	45	
Clear w Grills	14	2.4	0.42	0.46	0.48	45	
LoE/Argon	30	1.6	0.29	0.46	0.52	59	N
LoE/Argon w Grills	27	1.6	0.29	0.41	0.47	59	N
Energlass	31	1.6	0.28	0.46	0.52	61	N
Energlass w Grills	28	1.6	0.28	0.41	0.47	61	N
LoE/Argon-LSG	19	1.6	0.28	0.25	0.45	61	NC, SC, S
LoE/Argon-LSG w Grills	18	1.6	0.28	0.23	0.41	61	NC, SC, S
Energlass-LSG	21	1.5	0.27	0.25	0.45	63	N, NC, SC, S
Energlass-LSG w Grills	19	1.5	0.27	0.23	0.41	63	N, NC, SC, S
Triple Clear	30	1.6	0.29	0.46	0.49	61	N
Triple w Grills	28	1.6	0.29	0.42	0.44	61	N
Triple LoE/Argon x 1 LSG	26	1.2	0.22	0.23	0.41	71	N, NC, SC, S
Triple LoE/Argon x 1 LSG w Grills	24	1.2	0.22	0.21	0.37	71	N, NC, SC, S
Energls Plus Argon LSG	29	1.0	0.18	0.20	0.35	79	N, NC, SC, S
Energls Plus Argon LSG w Grills	28	1.0	0.18	0.18	0.32	79	N, NC, SC, S
Triple LoE/Argon x 1	36	1.2	0.22	0.41	0.48	71	N
Triple LoE/Argon x 1 w Grills	34	1.2	0.22	0.37	0.43	71	N, NC
Energls Plus Argon	38	1.1	0.19	0.39	0.47	78	N, NC
Energls Plus Argon w Grills	37	1.1	0.19	0.36	0.43	78	N, NC

Select Awning	NAFs Ratings		AAMA/WDMA/CSA/1.S.2-/A440-08: LC-PG35-AP		Size Tested: (40"x63")		
	Energy Rating	U-value (metric)	U-value (imperial)	Solar Heat Gain Coefficient	Visible Transmittance	Condensation Resistance	Energy Star Zones 2016
Clear	16	2.4	0.43	0.51	0.53	44	
Clear w Grills	13	2.4	0.43	0.46	0.48	44	
LoE/Argon	29	1.7	0.30	0.46	0.52	58	N
LoE/Argon w Grills	26	1.7	0.30	0.41	0.47	58	
Energlass	30	1.6	0.29	0.46	0.52	60	N
Energlass w Grills	27	1.6	0.29	0.41	0.47	60	N
LoE/Argon-LSG	19	1.6	0.28	0.25	0.46	60	NC, SC, S
LoE/Argon-LSG w Grills	18	1.6	0.28	0.23	0.41	60	NC, SC, S
Energlass-LSG	21	1.5	0.27	0.25	0.46	62	N, NC, SC, S
Energlass-LSG w Grills	19	1.5	0.27	0.23	0.41	62	N, NC, SC, S
Triple Clear	29	1.7	0.30	0.46	0.49	61	N
Triple w Grills	27	1.7	0.30	0.42	0.44	61	N
Triple LoE/Argon x 1 LSG	26	1.2	0.22	0.23	0.41	72	N, NC, SC, S
Triple LoE/Argon x 1 LSG w Grills	24	1.2	0.22	0.21	0.37	72	N, NC, SC, S
Energls Plus Argon LSG	29	1.0	0.18	0.20	0.35	77	N, NC, SC, S
Energls Plus Argon LSG w Grills	28	1.0	0.18	0.18	0.32	77	N, NC, SC, S
Triple LoE/Argon x 1	36	1.2	0.22	0.41	0.48	69	N
Triple LoE/Argon x 1 w Grills	34	1.2	0.22	0.37	0.43	69	N, NC
Energls Plus Argon	38	1.1	0.19	0.39	0.47	76	N, NC
Energls Plus Argon w Grills	37	1.1	0.19	0.36	0.43	76	N, NC

Select Casement Fixed Sash		NAFS Ratings		AAMA/WDMA/CSA/1.S.2-A440-08: LC-PG40-FW		Size Tested: (60"x39.75")	
		Energy Rating	U-value (metric)	U-value (imperial)	Solar Heat Gain Coefficient	Visible Transmittance	Condensation Resistance
Clear	20	2.5	0.44	0.60	0.63	44	
Clear w Grills	16	2.5	0.44	0.54	0.56	44	
LoE/Argon	36	1.6	0.28	0.54	0.62	59	N
LoE/Argon w Grills	33	1.6	0.28	0.48	0.55	59	N
Energlass	36	1.6	0.28	0.54	0.62	61	N
Energlass w Grills	33	1.6	0.28	0.48	0.55	61	N
LoE/Argon-LSG	24	1.5	0.27	0.30	0.54	60	N, NC
LoE/Argon-LSG w Grills	22	1.5	0.27	0.27	0.48	60	N, NC
Energlass-LSG	24	1.5	0.26	0.30	0.54	62	N, NC
Energlass-LSG w Grills	22	1.5	0.26	0.27	0.48	62	N, NC
Triple Clear	34	1.7	0.30	0.55	0.58	61	N
Triple w Grills	31	1.7	0.30	0.49	0.51	61	N
Triple LoE/Argon x 1 LSG	29	1.2	0.21	0.27	0.49	71	N, NC
Triple LoE/Argon x 1 LSG w Grills	28	1.2	0.21	0.25	0.44	71	N, NC, SC, S
Energlass Plus Argon LSG	33	0.9	0.16	0.23	0.42	78	N, NC, SC, S
Energlass Plus Argon LSG w Grills	32	0.9	0.16	0.21	0.37	78	N, NC, SC, S
Triple LoE/Argon x 1	42	1.2	0.21	0.49	0.57	70	N
Triple LoE/Argon x 1 w Grills	39	1.2	0.21	0.44	0.51	70	N
Energlass Plus Argon	46	1.0	0.17	0.47	0.56	77	N
Energlass Plus Argon w Grills	43	1.0	0.17	0.42	0.50	77	N

Select Narrow Picture Window		NAFS Ratings		AAMA/WDMA/CSA/1.S.2-/A440-08: CW-PG40-FW		Size Tested: (60"x39.75")	
		Energy Rating	U-value (metric)	U-value (imperial)	Solar Heat Gain Coefficient	Visible Transmittance	Condensation Resistance
Clear	22	2.6	0.46	0.68	0.71	44	
Clear w Grills	18	2.6	0.46	0.61	0.64	44	
LoE/Argon	39	1.7	0.29	0.61	0.70	54	N
LoE/Argon w Grills	35	1.7	0.29	0.55	0.63	54	N
Energlass	40	1.6	0.28	0.61	0.70	56	N
Energlass w Grills	37	1.6	0.28	0.55	0.63	56	N
LoE/Argon-LSG	25	1.5	0.27	0.33	0.61	59	N, NC
LoE/Argon-LSG w Grills	24	1.5	0.27	0.30	0.54	59	N, NC
Energlass-LSG	26	1.5	0.26	0.33	0.61	61	N, NC
Energlass-LSG w Grills	25	1.5	0.26	0.30	0.54	61	N, NC
Triple	37	1.8	0.31	0.62	0.65	61	
Triple w Grills	34	1.8	0.31	0.56	0.58	61	
Triple LoE/Argon x 1	46	1.2	0.21	0.55	0.64	70	N
Triple LoE/Argon x 1 w Grills	43	1.2	0.21	0.50	0.57	70	N
Triple LoE/Argon x 1 LSG	32	1.2	0.21	0.31	0.55	71	N, NC
Triple LoE/Argon x 1 LSG w Grills	30	1.2	0.21	0.28	0.50	71	N, NC
Energlass Plus Argon	50	0.9	0.16	0.53	0.63	76	N
Energlass Plus Argon w Grills	48	0.9	0.16	0.48	0.56	76	N
Energlass Plus Argon LSG	36	0.9	0.15	0.26	0.47	78	N, NC
Energlass Plus Argon LSG w Grills	35	0.9	0.15	0.24	0.42	78	N, NC, SC, S

Select Wide Picture Window	NAFS Ratings		AAMA/WDMA/CSA/ISO 2-A440-08: CW-PG45-FW Size Tested: (60"x96")		AAMA/WDMA/CSA/ISO 2-A440-08: CW-PG60-FW Size Tested: (80"x34")		
	Energy Rating	U-value (metric)	U-value (imperial)	Solar Heat Gain Coefficient	Visible Transmittance	Condensation Resistance	Energy Star Zones 2016
Clear	20	2.5	0.44	0.61	0.63	44	
Clear w Grills	16	2.5	0.44	0.54	0.56	44	
LoE/Argon	36	1.6	0.28	0.54	0.62	58	
LoE/Argon w Grills	33	1.6	0.28	0.49	0.55	58	
Energlass	36	1.6	0.28	0.54	0.62	57	
Energlass w Grills	33	1.6	0.28	0.49	0.55	57	
LoE/Argon-LSG	24	1.5	0.27	0.30	0.54	59	NC
LoE/Argon-LSG w Grills	22	1.5	0.27	0.27	0.48	59	N, NC
Energlass-LSG	25	1.5	0.26	0.30	0.54	62	NC
Energlass-LSG w Grills	23	1.5	0.26	0.27	0.48	62	N, NC
Triple Clear	34	1.7	0.30	0.55	0.58	61	
Triple w Grills	31	1.7	0.30	0.49	0.51	61	
Triple LoE/Argon x 1 LSG	30	1.2	0.21	0.28	0.49	71	NC, SC, S
Triple LoE/Argon x 1 LSG w Grills	28	1.2	0.21	0.25	0.44	71	N, NC, SC, S
Energlass Plus Argon LSG	35	0.9	0.15	0.24	0.42	79	N, NC, SC, S
Energlass Plus Argon LSG w Grills	33	0.9	0.15	0.21	0.37	79	N, NC, SC, S
Triple LoE/Argon x 1	42	1.2	0.21	0.49	0.57	70	
Triple LoE/Argon x 1 w Grills	39	1.2	0.21	0.44	0.51	70	
Energlass Plus Argon	46	1.0	0.17	0.47	0.56	77	
Energlass Plus Argon w Grills	43	1.0	0.17	0.42	0.50	77	

Select Single Hung	NAFS Ratings		NFRC/Energy Star: NFRC		AAMA/WDMA/CSA/ISO 2-A440-08: CW-PG45-FW		Size Tested: (40"x80")
	Energy Rating	U-value (metric)	U-value (imperial)	Solar Heat Gain Coefficient	Visible Transmittance	Condensation Resistance	Energy Star Zones 2016
Clear	15	2.7	0.48	0.62	0.64	42	
Clear w Grills	11	2.7	0.48	0.55	0.58	42	
LoE/Argon	31	1.8	0.32	0.55	0.64	54	
LoE/Argon w Grills	28	1.8	0.32	0.50	0.57	54	
Energlass	32	1.8	0.31	0.55	0.64	57	
Energlass w Grills	30	1.8	0.31	0.50	0.57	57	
LoE/Argon-LSG	19	1.7	0.30	0.30	0.55	55	NC
LoE/Argon-LSG w Grills	17	1.7	0.30	0.27	0.49	55	NC
Energlass-LSG	20	1.6	0.29	0.30	0.55	58	NC
Energlass-LSG w Grills	19	1.6	0.29	0.27	0.49	58	NC

Select Single Glider	NAFS Ratings	AAMA/WDMA/CSA/1.S.2-A440-08: LC-PG30-HS	Size Tested: (72"x60")

Glass Options	Energy Rating	U-value (metric)	U-value (imperial)	Solar Heat Gain Coefficient	Visible Transmittance	Condensation Resistance	Energy Star Zones 2016
Clear	15	2.7	0.48	0.62	0.64	42	
Clear w Grills	11	2.7	0.48	0.55	0.57	42	
LoE/Argon	31	1.8	0.32	0.55	0.63	54	
LoE/Argon w Grills	28	1.8	0.32	0.49	0.57	54	
Energlass	32	1.8	0.31	0.55	0.63	57	
Energlass w Grills	29	1.8	0.31	0.49	0.57	57	
LoE/Argon-LSG	19	1.7	0.30	0.30	0.55	55	NC
LoE/Argon-LSG w Grills	18	1.7	0.30	0.27	0.49	55	NC
Energlass-LSG	21	1.6	0.29	0.30	0.55	58	NC
Energlass-LSG w Grills	19	1.6	0.29	0.27	0.49	58	NC

Select Single Hung Picture Window	NAFS Ratings	NFRC/Energy Star: NFRC	AAMA/WDMA/CSA/1.S.2-A440-08: R-PG40-FW Size Tested: (50"x100")	AAMA/WDMA/CSA/1.S.2-A440-08: CW-PG45-FW Size Tested: (72"x80")

Glass Options	Energy Rating	U-value (metric)	U-value (imperial)	Solar Heat Gain Coefficient	Visible Transmittance	Condensation Resistance	Energy Star Zones 2016
Clear	20	2.6	0.46	0.65	0.68	43	
Clear w Grills	16	2.6	0.46	0.58	0.61	43	
LoE/Argon	36	1.7	0.30	0.58	0.67	56	
LoE/Argon w Grills	33	1.7	0.30	0.52	0.60	56	
Energlass	37	1.6	0.29	0.58	0.67	59	N
Energlass w Grills	34	1.6	0.29	0.52	0.60	59	N
LoE/Argon-LSG	23	1.6	0.28	0.32	0.58	58	N, NC
LoE/Argon-LSG w Grills	21	1.6	0.28	0.29	0.52	58	NC
Energlass-LSG	24	1.5	0.27	0.32	0.58	60	N, NC
Energlass-LSG w Grills	23	1.5	0.27	0.29	0.52	60	N, NC

Select Double Hung	NAFS Ratings	NFRC/Energy Star: NFRC	AAMA/WDMA/CSA/1.S. 2-A440-08: R-PG35-H Size Tested: (47.785"x72")	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	Energy Star Zones 2016
Clear	16	2.7	0.47	0.62	0.64	42	-
Clear w Grills	12	2.7	0.47	0.55	0.57	42	-
LoE/Argon	32	1.8	0.31	0.55	0.63	54	-
LoE/Argon w Grills	29	1.8	0.31	0.50	0.56	54	-
Energlass IU	33	1.7	0.30	0.55	0.63	53	N
Energlass IU w Grills	30	1.7	0.30	0.50	0.56	53	N
Energlass SS	33	1.7	0.30	0.55	0.63	57	N
Energlass SS w Grills	30	1.7	0.30	0.50	0.56	57	N
LoE/Argon-LSG	19	1.7	0.30	0.30	0.55	55	NC
LoE/Argon-LSG w Grills	17	1.7	0.30	0.27	0.49	55	NC
Energlass IU-LSG	20	1.6	0.29	0.30	0.55	58	NC
Energlass IU-LSG w Grills	18	1.6	0.29	0.27	0.49	58	NC
Energlass SS-LSG	20	1.6	0.29	0.30	0.55	58	NC
Energlass SS-LSG w Grills	18	1.6	0.29	0.27	0.49	58	NC

Select 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	Energy Star Zones 2016
Clear	18	2.7	0.47	0.64	0.68	45	
Clear w Grills	15	2.7	0.47	0.58	0.61	45	
LoE/Argon	37	1.7	0.30	0.59	0.67	56	N
LoE/Argon w Grills	33	1.7	0.30	0.53	0.60	56	N
Energlass	37	1.7	0.30	0.59	0.67	57	N
Energlass w Grills	33	1.7	0.30	0.53	0.60	57	N
LoE/Argon-LSG	24	1.6	0.28	0.33	0.59	55	N, NC
LoE/Argon-LSG w Grills	22	1.6	0.28	0.30	0.53	55	NC
Energlass-LSG	24	1.6	0.28	0.33	0.59	58	N, NC
Energlass-LSG w Grills	22	1.6	0.28	0.30	0.53	58	NC