

Supreme Casement	Sizes Tested			NAFS Ratings			
	38"x78"			AAMA/WDMA/CSA/1.S.2-/A440-08: CW-PG55-C			
	32"x63"			AAMA/WDMA/CSA/1.S.2-/A440-08: CW-PG70-C			
Glass Option	Energy Rating	U-value (metric)	U-value (imperial)	Solar Heat Gain Coefficient	Visible Transmittance	Condensation Resistance	Energy Star Zones 2016
Clear	18	2.3	0.41	0.51	0.53	44	
Clear w Grilles	15	2.3	0.41	0.46	0.47	44	
LoE/Argon	31	1.6	0.28	0.46	0.52	58	N
LoE/Argon w Grilles	28	1.6	0.28	0.41	0.47	58	N
Energlass	33	1.5	0.27	0.46	0.52	60	N
Energlass w Grilles	30	1.5	0.27	0.41	0.47	60	N
LoE/Argon-LSG	21	1.5	0.27	0.25	0.45	59	N, NC, SC, S
LoE/Argon-LSG w Grilles	19	1.5	0.27	0.23	0.41	59	N, NC, SC, S
Energlass-LSG	22	1.5	0.26	0.25	0.45	61	N, NC, SC, S
Energlass-LSG w Grilles	20	1.5	0.26	0.23	0.41	61	N, NC, SC, S
Triple	30	1.7	0.29	0.46	0.48	61	N
Triple w Grilles	28	1.7	0.29	0.42	0.43	61	N
Triple LoE/Argon x 1	36	1.3	0.22	0.41	0.47	70	N
Triple LoE/Argon x 1 w Grilles	34	1.3	0.22	0.37	0.43	70	N, NC
Triple LoE/Argon x 1 LSG	27	1.2	0.21	0.23	0.41	70	N, NC, SC, S
Triple LoE/Argon x 1 LSG w Grilles	26	1.2	0.21	0.21	0.37	70	N, NC, SC, S
Energlass Plus Argon	40	1.0	0.18	0.40	0.47	77	N, NC
Energlass Plus Argon w Grilles	38	1.0	0.18	0.36	0.42	77	N, NC
Energlass Plus Argon LSG	30	1.0	0.17	0.20	0.35	78	N, NC, SC, S
Energlass Plus Argon LSG w Grilles	29	1.0	0.17	0.18	0.32	78	N, NC, SC, S

Supreme Awning	Size Tested			NAFS Ratings			
	60" x 36.375"			AAMA/WDMA/CSA/1.S.2-/A440-08: LC-PG35-AP			
	Glass Option	Energy Rating	U-value (metric)	U-value (imperial)	Solar Heat Gain Coefficient	Visible Transmittance	Condensation Resistance
Clear	17	2.4	0.42	0.51	0.53	43	
Clear w Grilles	14	2.4	0.42	0.46	0.47	43	
LoE/Argon	30	1.7	0.29	0.46	0.52	57	N
LoE/Argon w Grilles	27	1.7	0.29	0.41	0.47	57	N
Energlass	31	1.6	0.28	0.46	0.52	59	N
Energlass w Grilles	28	1.6	0.28	0.41	0.47	59	N
LoE/Argon-LSG	21	1.5	0.27	0.25	0.45	58	N, NC, SC, S
LoE/Argon-LSG w Grilles	19	1.5	0.27	0.23	0.41	58	N, NC, SC, S
Energlass-LSG	22	1.5	0.26	0.25	0.45	60	N, NC, SC, S
Energlass-LSG w Grilles	20	1.5	0.26	0.23	0.41	60	N, NC, SC, S
Triple	30	1.7	0.29	0.46	0.48	61	N
Triple w Grilles	28	1.7	0.29	0.42	0.43	61	N
Triple LoE/Argon x 1	36	1.3	0.22	0.41	0.47	69	N
Triple LoE/Argon x 1 w Grilles	34	1.3	0.22	0.37	0.43	69	N, NC
Triple LoE/Argon x 1 LSG	26	1.3	0.22	0.23	0.41	71	N, NC, SC, S
Triple LoE/Argon x 1 LSG w Grilles	24	1.3	0.22	0.21	0.37	71	N, NC, SC, S
Energlass Plus Argon	40	1.0	0.18	0.40	0.47	76	N, NC
Energlass Plus Argon w Grilles	38	1.0	0.18	0.36	0.42	76	N, NC
Energlass Plus Argon LSG	30	1.0	0.17	0.20	0.35	77	N, NC, SC, S
Energlass Plus Argon LSG w Grilles	29	1.0	0.17	0.18	0.32	77	N, NC, SC, S

Supreme Casement Fixed Sash	Size Tested			NAFS Ratings			
	60" x 78"			AAMA/WDMA/CSA/I.S.2-/A440-08:CW-PG45-FW			
	78" x 60"			AAMA/WDMA/CSA/I.S.2-/A440-08:CW-PG45-FW			
Glass Option	Energy Rating	U-value (metric)	U-value (imperial)	Solar Heat Gain Coefficient	Visible Transmittance	Condensation Resistance	Energy Star Zones 2016
Clear	22	2.4	0.43	0.61	0.63	43	
Clear w Grilles	18	2.4	0.43	0.54	0.56	43	
LoE/Argon	36	1.6	0.28	0.54	0.62	57	N
LoE/Argon w Grilles	33	1.6	0.28	0.49	0.55	57	N
Energlass	37	1.5	0.27	0.54	0.62	60	N
Energlass w Grilles	35	1.5	0.27	0.49	0.55	60	N
LoE/Argon-LSG	25	1.5	0.26	0.30	0.54	59	N, NC
LoE/Argon-LSG w Grilles	23	1.5	0.26	0.27	0.48	59	N, NC
Energlass-LSG	26	1.4	0.25	0.30	0.54	61	N, NC
Energlass-LSG w Grilles	24	1.4	0.25	0.27	0.48	61	N, NC
Triple	34	1.7	0.30	0.55	0.58	61	N
Triple w Grilles	31	1.7	0.30	0.49	0.51	61	N
Triple LoE/Argon x 1	42	1.2	0.21	0.49	0.57	70	N
Triple LoE/Argon x 1 w Grilles	39	1.2	0.21	0.44	0.50	70	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 Grilles	28	1.2	0.21	0.25	0.44	71	N, NC, SC, S
Energlass Plus Argon	46	1.0	0.17	0.47	0.56	76	N
Energlass Plus Argon w Grilles	43	1.0	0.17	0.42	0.50	76	N
Energlass Plus Argon LSG	33	0.9	0.16	0.23	0.42	78	N, NC, SC, S
Energlass Plus Argon LSG w Grilles	32	0.9	0.16	0.21	0.37	78	N, NC, SC, S

Supreme Casement Wide Picture	Size Tested			NAFS Ratings			
	60" x 96"			AAMA/WDMA/CSA/I.S.2-/A440-08:CW-PG40-FW			
	Glass Option	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	
Clear w Grilles	17	2.5	0.44	0.55	0.56	44	
LoE/Argon	36	1.6	0.28	0.54	0.62	58	N
LoE/Argon w Grilles	33	1.6	0.28	0.49	0.56	58	N
Energlass	36	1.6	0.28	0.54	0.62	60	N
Energlass w Grilles	33	1.6	0.28	0.49	0.56	60	N
LoE/Argon-LSG	25	1.5	0.26	0.30	0.54	59	N, NC
LoE/Argon-LSG w Grilles	23	1.5	0.26	0.27	0.48	59	N, NC
Energlass-LSG	25	1.5	0.26	0.30	0.54	61	N, NC
Energlass-LSG w Grilles	23	1.5	0.26	0.27	0.48	61	N, NC
Triple	34	1.7	0.30	0.55	0.58	61	N
Triple w Grilles	31	1.7	0.30	0.50	0.52	61	N
Triple LoE/Argon x 1	42	1.2	0.21	0.49	0.57	69	N
Triple LoE/Argon x 1 w Grilles	39	1.2	0.21	0.44	0.51	69	N
Triple LoE/Argon x 1 LSG	30	1.2	0.21	0.28	0.49	70	N, NC
Triple LoE/Argon x 1 LSG w Grilles	28	1.2	0.21	0.25	0.44	70	N, NC, SC, S
Energlass Plus Argon	46	1.0	0.17	0.47	0.56	75	N
Energlass Plus Argon w Grilles	43	1.0	0.17	0.42	0.50	75	N
Energlass Plus Argon LSG	34	0.9	0.16	0.24	0.42	77	N, NC, SC, S
Energlass Plus Argon LSG w Grilles	32	0.9	0.16	0.21	0.37	77	N, NC, SC, S

Supreme Casement Narrow Picture	Size Tested			NAFS Ratings			
	60" x 96"			AAMA/WDMA/CSA/ISO 2-1A440-08:LC-PG40-FW			
	57" x 108"			AAMA/WDMA/CSA/ISO 2-1A440-08:LC-PG35-FW			
Glass Option	Energy Rating	U-value (metric)	U-value (imperial)	Solar Heat Gain Coefficient	Visible Transmittance	Condensation Resistance	Energy Star Zones 2016
Clear	22	2.6	0.46	0.68	0.71	44	
Clear w Grilles	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 Grilles	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 Grilles	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 Grilles	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 Grilles	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 Grilles	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 Grilles	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 Grilles	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 Grilles	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 Grilles	35	0.9	0.15	0.24	0.42	78	N, NC, SC, S

Supreme Single Hung	Size Tested			NAFS Ratings			
	43" x 84"			AAMA/WDMA/CSA/ISO 2-1A440-08:LC-PG40-H			
	40" x 63"			AAMA/WDMA/CSA/ISO 2-1A440-08:R-PG70-H			
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 Grilles	12	2.7	0.47	0.55	0.57	42	
LoE/Argon	32	1.8	0.31	0.55	0.64	54	
LoE/Argon w Grilles	29	1.8	0.31	0.50	0.57	54	
Energlass	35	1.6	0.29	0.55	0.64	56	N
Energlass w Grilles	32	1.6	0.29	0.50	0.57	56	N
LoE/Argon-LSG	20	1.6	0.29	0.30	0.55	56	NC
LoE/Argon-LSG w Grilles	19	1.6	0.29	0.27	0.49	56	NC
Energlass-LSG	23	1.5	0.27	0.30	0.55	57	N, NC
Energlass-LSG w Grilles	21	1.5	0.27	0.27	0.49	57	N, NC
Triple Clear	27	2.0	0.35	0.54	0.58	55	
Triple Clear w Grilles	24	2.0	0.35	0.50	0.53	55	
Triple LoE/Argon x 1	33	1.5	0.27	0.48	0.58	62	N
Triple LoE/Argon x 1 w Grilles	29	1.6	0.29	0.45	0.52	62	N
Energlass Plus Argon	39	1.2	0.22	0.47	0.57	67	N
Energlass Plus Argon w Grilles	32	1.5	0.26	0.43	0.51	67	N
Energlass Plus Krypton	43	1.1	0.19	0.48	0.57	70	N
Energlass Plus Krypton w Grilles	35	1.3	0.23	0.43	0.51	70	N
Triple LoE/Argon x 1 LSG	25	1.4	0.24	0.27	0.50	65	N, NC
Triple LoE/Argon x 1 LSG w Grilles	18	1.6	0.28	0.24	0.44	65	NC, SC, S
Energlass Plus Argon LSG	26	1.2	0.21	0.23	0.42	69	N, NC, SC, S
Energlass Plus Argon LSG w Grilles	20	1.4	0.25	0.21	0.38	69	N, NC, SC, S
Energlass Plus Krypton - LSG	30	1.0	0.18	0.23	0.42	71	N, NC, SC, S
Energlass Plus Krypton - LSG w Grilles	24	1.2	0.22	0.21	0.38	71	N, NC, SC, S

Supreme Single Glider	Size Tested			NAFS Ratings			
	63" x 39"			AAMA/WDMA/CSA/1.S.2-/A440-08:R-PG40-HS			
	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	46	
Clear w Grilles	12	2.7	0.47	0.55	0.57	46	
LoE/Argon	32	1.8	0.31	0.55	0.64	55	
LoE/Argon w Grilles	29	1.8	0.31	0.50	0.57	55	
Energlass	34	1.7	0.30	0.55	0.64	57	N
Energlass w Grilles	31	1.7	0.30	0.50	0.57	57	N
LoE/Argon-LSG	20	1.6	0.29	0.30	0.55	56	NC
LoE/Argon-LSG w Grilles	19	1.6	0.29	0.27	0.49	56	NC
Energlass-LSG	22	1.6	0.28	0.30	0.55	59	NC
Energlass-LSG w Grilles	20	1.6	0.28	0.27	0.49	59	NC
Triple Clear	28	2.0	0.35	0.56	0.59	54	
Triple Clear w Grilles	23	2.0	0.36	0.50	0.53	54	
Triple LoE/Argon x 1	36	1.5	0.26	0.50	0.58	62	N
Triple LoE/Argon x 1 w Grilles	29	1.6	0.29	0.45	0.52	62	N
Energlass Plus Argon	39	1.2	0.22	0.48	0.57	66	N
Energlass Plus Argon w Grilles	32	1.5	0.26	0.43	0.51	66	N
Energlass Plus Krypton	43	1.1	0.19	0.48	0.57	69	N
Energlass Plus Krypton w Grilles	35	1.3	0.23	0.43	0.51	69	N
Triple LoE/Argon x 1 LSG	24	1.4	0.25	0.27	0.50	64	N, NC
Triple LoE/Argon x 1 LSG w Grilles	18	1.6	0.28	0.24	0.44	64	NC, SC, S
Energlass Plus Argon LSG	26	1.2	0.21	0.23	0.42	67	N, NC, SC, S
Energlass Plus Argon LSG w Grilles	20	1.4	0.25	0.21	0.38	667	N, NC, SC, S
Energlass Plus Krypton - LSG	30	1.0	0.18	0.23	0.42	70	N, NC, SC, S
Energlass Plus Krypton - LSG w Grilles	24	1.2	0.22	0.21	0.38	70	N, NC, SC, S

Supreme Single Hung Picture Window	Sizes Tested			NAFS Ratings			
	50" x 100"			AAMA/WDMA/CSA/1.S.2-/A440-08:R-PG50-FW			
	72" x 84"			AAMA/WDMA/CSA/1.S.2-/A440-08:R-PG60-FW			
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	0.64	0.66	43	
Clear w Grilles	16	2.6	0.46	0.57	0.59	43	
LoE/Argon	36	1.7	0.30	0.57	0.66	56	N
LoE/Argon w Grilles	32	1.7	0.30	0.51	0.59	56	N
Energlass	38	1.6	0.28	0.57	0.66	59	N
Energlass w Grilles	35	1.6	0.28	0.51	0.59	59	N
LoE/Argon-LSG	23	1.6	0.28	0.31	0.57	58	NC
LoE/Argon-LSG w Grilles	21	1.6	0.28	0.28	0.51	58	NC
Energlass-LSG	25	1.5	0.26	0.31	0.57	61	N, NC
Energlass-LSG w Grilles	24	1.5	0.26	0.28	0.51	61	N, NC
Triple Clear	31	1.9	0.34	0.58	0.61	55	
Triple Clear w Grilles	26	2.0	0.35	0.52	0.53	55	
Triple LoE/Argon x 1	38	1.4	0.25	0.51	0.60	63	N
Triple LoE/Argon x 1 w Grilles	30	1.6	0.29	0.46	0.52	63	N
Energlass Plus Argon	42	1.2	0.21	0.49	0.59	69	N
Energlass Plus Argon w Grilles	35	1.4	0.25	0.45	0.51	69	N
Energlass Plus Krypton	48	1.0	0.17	0.50	0.57	74	N
Energlass Plus Krypton w Grilles	38	1.2	0.22	0.45	0.51	74	N
Triple LoE/Argon x 1 LSG	27	1.3	0.23	0.28	0.51	66	N, NC
Triple LoE/Argon x 1 LSG w Grilles	21	1.5	0.27	0.25	0.46	66	N, NC, SC, S
Energlass Plus Argon LSG	29	1.1	0.20	0.24	0.44	71	N, NC, SC, S
Energlass Plus Argon LSG w Grilles	23	1.4	0.24	0.22	0.39	71	N, NC, SC, S
Energlass Plus Krypton - LSG	34	0.9	0.16	0.24	0.44	75	N, NC, SC, S
Energlass Plus Krypton - LSG w Grilles	26	1.2	0.21	0.22	0.39	75	N, NC, SC, S

2019 Supreme Double Hung	Size Tested			NAFS Ratings			
	40" x 78"			AAMA/WDMA/CSA 101/I.S.2-/A440-11&A440S1-17:R-PG40-H			
	Energy Rating	U-value (metric)	U-value (imperial)	Solar Heat Gain Coefficient	Visible Transmittance	Condensation Resistance	Energy Star Zones 2016
Clear	18	2.6	0.45	0.61	0.63	43	
Clear w Grilles	14	2.6	0.45	0.54	0.56	43	
LoE/Argon	33	1.7	0.30	0.54	0.62	56	N
LoE/Argon w Grilles	30	1.7	0.30	0.49	0.55	56	N
Energlass	34	1.6	0.29	0.54	0.62	57	N
Energlass w Grilles	31	1.6	0.29	0.49	0.55	57	N
LoE/Argon-LSG	21	1.6	0.28	0.30	0.54	57	NC
LoE/Argon-LSG w Grilles	19	1.6	0.28	0.27	0.48	57	NC
Energlass-LSG	22	1.5	0.27	0.30	0.54	59	N,NC
Energlass-LSG w Grilles	21	1.5	0.27	0.27	0.48	59	N,NC
Triple LoE/Argon x 1 LSG	27	1.2	0.22	0.27	0.49	67	N,NC
Triple LoE/Argon x 1 LSG w Grilles	26	1.2	0.22	0.25	0.44	67	N,NC
Energlass Plus Argon LSG	31	1.0	0.17	0.23	0.42	71	N,NC
Energlass Plus Argon LSG w Grilles	30	1.0	0.17	0.21	0.37	71	N,NC,SC
Triple LoE/Argon x 1	38	1.3	0.23	0.49	0.57	65	N,NC,SC,S
Triple LoE/Argon x 1 w Grilles	35	1.3	0.23	0.44	0.51	65	N,NC,SC,S
Energlass Plus Argon	43	1.0	0.18	0.47	0.56	70	N
Energlass Plus Argon w Grilles	41	1.0	0.18	0.42	0.50	70	N

2019 Supreme Double Glider	Size Tested			NAFS Ratings			
	63"x43"			AAMA/WDMA/CSA 101/I.S.2-/A440-11&17, CSA A440S1-17&19: R-PG40-HS			
	Energy Rating	U-value (metric)	U-value (imperial)	Solar Heat Gain Coefficient	Visible Transmittance	Condensation Resistance	Energy Star Zones 2016
Clear	16	2.6	0.45	0.59	0.62	43	
Clear w Grilles	13	2.6	0.45	0.53	0.55	43	
LoE/Argon	33	1.6	0.29	0.53	0.61	59	N
LoE/Argon w Grilles	29	1.6	0.29	0.47	0.54	59	N
Energlass	33	1.6	0.29	0.53	0.61	56	N
Energlass w Grilles	29	1.6	0.29	0.47	0.54	56	N
LoE/Argon-LSG	21	1.5	0.27	0.29	0.53	60	NC
LoE/Argon-LSG w Grilles	20	1.5	0.27	0.26	0.47	60	NC
Energlass-LSG	20	1.6	0.28	0.29	0.53	57	N,NC
Energlass-LSG w Grilles	18	1.6	0.28	0.26	0.47	57	N,NC
Triple LoE/Argon x 1 LSG	24	1.2	0.22	0.27	0.48	67	N,NC
Triple LoE/Argon x 1 LSG w Grilles	23	1.2	0.22	0.24	0.43	67	N,NC,SC
Energlass Plus Argon LSG	45	1.0	0.17	0.23	0.41	72	N,NC,SC,S
Energlass Plus Argon LSG w Grilles	42	1.0	0.17	0.21	0.36	72	N,NC,SC,S
Triple LoE/Argon x 1	37	1.2	0.22	0.48	0.56	66	N
Triple LoE/Argon x 1 w Grilles	35	1.2	0.22	0.43	0.49	66	N
Energlass Plus Argon	16	1.0	0.18	0.46	0.55	71	N
Energlass Plus Argon w Grilles	16	1.0	0.18	0.41	0.49	71	N

2019 Supreme Double Hung Picture Window	Size Tested			NAFS Ratings			
	90"x60"			AAMA/WDMA/CSA/ISO 2-/A440-08: CW-PG70-FW			
Glass Options	Energy Rating	U-value (metric)	U-value (imperial)	Solar Heat Gain Coefficient	Visible Transmittance	Condensation Resistance	Energy Star Zones 2016
Clear	22	2.6	0.45	0.67	0.70	45	
Clear w Grilles	18	2.6	0.45	0.60	0.63	45	
LoE/Argon-LSG	28	1.4	0.25	0.33	0.60	62	N, NC
LoE/Argon-LSG w Grilles	26	1.4	0.25	0.30	0.54	62	N, NC
Triple Clear	38	1.7	0.30	0.61	0.64	62	N
Triple Clear w Grilles	34	1.7	0.30	0.55	0.57	62	N
Triple LoE/Argon x 1 LSG	32	1.1	0.20	0.30	0.55	72	N, NC
Triple LoE/Argon x 1 LSG w Grilles	31	1.1	0.20	0.27	0.49	72	N, NC
Energlass Plus Argon LSG	38	0.8	0.14	0.26	0.47	79	N, NC
Energlass Plus Argon LSG w Grilles	36	0.8	0.14	0.23	0.42	79	N, NC, SC, S
LoE/Argon	40	1.6	0.28	0.60	0.69	61	N
LoE/Argon w Grilles	36	1.6	0.28	0.54	0.62	61	N
Triple LoE/Argon x 1	45	1.2	0.21	0.54	0.63	71	N
Triple LoE/Argon x 1 w Grilles	42	1.2	0.21	0.49	0.57	71	N
Energlass Plus Argon	50	0.9	0.16	0.52	0.62	78	N
Energlass Plus Argon w Grilles	47	0.9	0.16	0.47	0.56	78	N

Tilt and Turn Window	Size Tested			NAFS Ratings			
	48"x71"			AAMA/WDMA/CSA/ISO 2-/A440-08: CW-PG100-DAW			
Glass Options	Energy Rating	U-value (metric)	U-value (imperial)	Solar Heat Gain Coefficient	Visible Transmittance	Condensation Resistance	Energy Star Zones 2016
Clear	18	2.4	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	N
LoE/Argon w Grilles	29	1.6	0.28	0.42	0.48	60	N
Energlass	33	1.5	0.27	0.47	0.54	62	N
Energlass w Grilles	31	1.5	0.27	0.42	0.48	62	N
LoE/Argon-LSG	22	1.5	0.26	0.26	0.47	62	N, NC
LoE/Argon-LSG w Grilles	21	1.5	0.26	0.23	0.41	62	N, NC, SC, S
Energlass-LSG	22	1.5	0.26	0.26	0.47	63	N, NC
Energlass-LSG w Grilles	21	1.5	0.26	0.23	0.41	63	N, NC, SC, S
Triple LoE/x 1 LSG	24	1.4	0.24	0.24	0.43	70	N, NC, SC, S
Triple LoE/ x 1 LSG w Grilles	23	1.4	0.24	0.22	0.38	70	N, NC, SC, S
Triple LoE/Argon x 1 LSG	26	1.2	0.22	0.24	0.43	73	N, NC, SC, S
Triple LoE/Argon x 1 LSG w Grilles	25	1.2	0.22	0.22	0.38	73	N, NC, SC, S
Energlass Plus Argon LSG	31	1.0	0.17	0.21	0.36	74	N, NC, SC, S
Energlass Plus Argon LSG w Grilles	29	1.0	0.17	0.18	0.32	74	N, NC, SC, S
Energlass Plus Argon	41	1.0	0.18	0.41	0.49	73	N
Energlass Plus Argon w Grilles	38	1.0	0.18	0.36	0.43	73	N, NC
Triple Clear	30	1.7	0.30	0.48	0.50	63	N
Triple Clear w Grilles	27	1.7	0.30	0.43	0.44	63	N

Tilt and Turn Picture Window	Sizes Tested			NAFS Ratings			
	60"x96"			AAMA/WDMA/CSA/ISO.2-/A440-08: AW-PG70-FW			
	72"x72"			AAMA/WDMA/CSA/ISO.2-/A440-08: CW-PG75-FW			
Glass Options	Energy Rating	U-value (metric)	U-value (imperial)	Solar Heat Gain Coefficient	Visible Transmittance	Condensation Resistance	Energy Star Zones 2016
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	N
LoE/Argon w Grilles	34	1.6	0.28	0.51	0.58	60	N
Energlass	39	1.5	0.27	0.57	0.65	62	N
Energlass w Grilles	36	1.5	0.27	0.51	0.58	62	N
LoE/Argon-LSG	25	1.5	0.26	0.31	0.57	61	N, NC
LoE/Argon-LSG w Grilles	24	1.5	0.26	0.28	0.51	61	N, NC
Energlass-LSG	25	1.5	0.26	0.31	0.57	63	N, NC
Energlass-LSG w Grilles	24	1.5	0.26	0.28	0.51	63	N, NC
Triple LoE/x 1 LSG	28	1.3	0.23	0.29	0.52	73	N, NC
Triple LoE/ x 1 LSG w Grilles	26	1.3	0.23	0.26	0.46	73	N, NC
Triple LoE/Argon x 1 LSG	30	1.2	0.21	0.29	0.52	73	N, NC
Triple LoE/Argon x 1 LSG w Grilles	29	1.2	0.21	0.26	0.46	73	N, NC
Energlass Plus Argon LSG	35	0.9	0.15	0.25	0.44	75	N, NC, SC, S
Energlass Plus Argon LSG w Grilles	34	0.9	0.15	0.23	0.39	75	N, NC, SC, S
Energlass Plus Argon	47	1.0	0.17	0.49	0.59	74	N
Energlass Plus Argon w Grilles	44	1.0	0.17	0.44	0.52	74	N
Triple Clear	36	1.7	0.30	0.58	0.61	63	N
Triple Clear w Grilles	32	1.7	0.30	0.52	0.54	63	N

6000 Plus Casement	Sizes Tested			NAFS Ratings			
	32"x63"			AAMA/WDMA/CSA/ISO.2-/A440-08: R-PG55-C			
Glass Option	Energy Rating	U-value (metric)	U-value (imperial)	Solar Heat Gain Coefficient	Visible Transmittance	Condensation Resistance	Energy Star Zones 2016
Clear	18	2.2	0.39	0.49	0.51	45	
Clear w Grilles	15	2.2	0.39	0.45	0.46	45	
LoE/Argon-LSG	23	1.4	0.25	0.24	0.44	62	N, NC, SC, S
LoE/Argon-LSG w Grilles	21	1.4	0.25	0.22	0.39	62	N, NC, SC, S
Triple Clear	29	1.6	0.28	0.45	0.47	60	N
Triple Clear w Grilles	26	1.6	0.28	0.40	0.42	60	N
Triple LoE/Argon x 1 LSG	2	1.2	0.21	0.23	0.40	69	N, NC, SC, S
Triple LoE/Argon x 1 LSG w Grilles	26	1.2	0.21	0.21	0.36	69	N, NC, SC, S
Energlass Plus Argon LSG	30	1.0	0.17	0.19	0.34	77	N, NC, SC, S
Energlass Plus Argon LSG w Grilles	29	1.0	0.17	0.18	0.31	77	N, NC, SC, S
LoE/Argon	31	1.5	0.27	0.44	0.51	60	N
LoE/Argon w Grilles	29	1.5	0.27	0.40	0.46	60	N, NC
Triple LoE/Argon x 1	35	1.2	0.22	0.40	0.46	69	N, NC
Triple LoE/Argon x 1 w Grilles	32	1.2	0.22	0.36	0.42	69	N, NC
Energlass Plus Argon	39	1.0	0.18	0.38	0.45	75	N, NC
Energlass Plus Argon w Grilles	37	1.0	0.18	0.35	0.41	75	N, NC

6000 Plus Awning	Sizes Tested			NAFS Ratings			
	48"x40"			AAMA/WDMA/CSA/ISO 2-A440-08:LC-PG40			
	Glass Option	Energy Rating	U-value (metric)	U-value (imperial)	Solar Heat Gain Coefficient	Visible Transmittance	Condensation Resistance
Clear	20	2.3	0.40	0.49	0.51	44	
Clear w Grilles	17	2.3	0.40	0.45	0.46	44	
LoE/Argon-LSG	21	1.5	0.26	0.24	0.44	60	N, NC, SC, S
LoE/Argon-LSG w Grilles	19	1.5	0.26	0.22	0.39	60	N, NC, SC, S
Triple Clear	31	1.6	0.29	0.45	0.47	60	N
Triple Clear w Grilles	28	1.6	0.29	0.40	0.42	60	N,NC
Triple LoE/Argon x 1 LSG	26	1.2	0.21	0.23	0.40	70	N, NC, SC, S
Triple LoE/Argon x 1 LSG w Grilles	25	1.2	0.21	0.21	0.36	70	N, NC, SC, S
Energlass Plus Argon LSG	29	1.0	0.17	0.19	0.34	75	N, NC, SC, S
Energlass Plus Argon LSG w Grilles	28	1.0	0.17	0.18	0.31	75	N, NC, SC, S
LoE/Argon	32	1.5	0.27	0.44	0.51	59	N
LoE/Argon w Grilles	29	1.5	0.27	0.40	0.46	59	N,NC
Triple LoE/Argon x 1	36	1.2	0.22	0.40	0.46	67	N, NC
Triple LoE/Argon x 1 w Grilles	33	1.2	0.22	0.36	0.42	67	N, NC
Energlass Plus Argon	39	1.0	0.18	0.38	0.45	74	N, NC
Energlass Plus Argon w Grilles	38	1.0	0.18	0.35	0.41	74	N, NC

6000 Plus Casement Picture Window	Size Tested			NAFS Ratings			
	90"x60"			AAMA/WDMA/CSA/ISO 2-A440-08:CW-PG70-FW			
	Glass Options	Energy Rating	U-value (metric)	U-value (imperial)	Solar Heat Gain Coefficient	Visible Transmittance	Condensation Resistance
Clear	22	2.6	0.45	0.67	0.70	45	
Clear w Grilles	18	2.6	0.45	0.60	0.63	45	
LoE/Argon-LSG	28	1.4	0.25	0.33	0.60	62	N, NC
LoE/Argon-LSG w Grilles	26	1.4	0.25	0.30	0.54	62	N, NC
Triple Clear	38	1.7	0.30	0.61	0.64	62	N
Triple Clear w Grilles	34	1.7	0.30	0.55	0.57	62	N
Triple LoE/Argon x 1 LSG	32	1.1	0.20	0.30	0.55	72	N, NC
Triple LoE/Argon x 1 LSG w Grilles	31	1.1	0.20	0.27	0.49	72	N, NC
Energlass Plus Argon LSG	38	0.8	0.14	0.26	0.47	79	N, NC
Energlass Plus Argon LSG w Grilles	36	0.8	0.14	0.23	0.42	79	N, NC, SC, S
LoE/Argon	40	1.6	0.28	0.60	0.69	61	N
LoE/Argon w Grilles	36	1.6	0.28	0.54	0.62	61	N
Triple LoE/Argon x 1	45	1.2	0.21	0.54	0.63	71	N
Triple LoE/Argon x 1 w Grilles	42	1.2	0.21	0.49	0.57	71	N
Energlass Plus Argon	50	0.9	0.16	0.52	0.62	78	N
Energlass Plus Argon w Grilles	47	0.9	0.16	0.47	0.56	78	N