

2020 Supreme Casement	Sizes Tested		NAFS Ratings				
	38"x78"		AAMA/WDMA/CSA 101/I.S.2-/A440-17, CSA A440S1:19 : CW-PG55-C				
Glass Option	Energy Rating	U-value (metric)	U-value (imperial)	Solar Heat Gain Coefficient	Visible Transmittance	Condensation Resistance	Energy Star 2020
Clear	20	2.4	0.42	0.57	0.59	43	N
Clear W/Grilles	18	2.4	0.42	0.52	0.54	43	N
LoE Argon	36	1.5	0.27	0.52	0.58	58	Y
LoE Argon W/Grilles	33	1.5	0.27	0.47	0.53	58	Y
Energlass	37	1.5	0.26	0.52	0.58	60	Y
Energlass W/Grilles	34	1.5	0.26	0.47	0.53	60	Y
LoE Argon-LSG	23	1.5	0.26	0.28	0.51	59	N
LoE Argon-LSG W/Grilles	22	1.5	0.26	0.26	0.46	59	N
Energlass-LSG	25	1.4	0.25	0.28	0.51	61	N
Energlass-LSG W/Grilles	24	1.4	0.25	0.26	0.46	61	N
Triple LoE Argonx1-LSG	30	1.1	0.20	0.26	0.46	68	Y
Triple LoE Argonx1-LSG W/Grilles	29	1.1	0.20	0.24	0.42	68	Y
Energlass Plus Argon-LSG	35	0.9	0.15	0.24	0.40	72	Y
Energlass Plus Argon-LSG W/Grilles	34	0.9	0.15	0.22	0.36	72	Y
Triple LoE Argonx1	41	1.1	0.20	0.46	0.53	68	Y
Triple LoE Argonx1 W/Grilles	39	1.1	0.20	0.42	0.48	68	Y
Energlass Plus Argon	46	0.9	0.16	0.45	0.52	74	Y
Energlass Plus Argon W/Grilles	43	0.9	0.16	0.41	0.47	74	Y

2020 Supreme Awning	Sizes Tested		NAFS Ratings				
	36"x80"		AAMA/WDMA/CSA 101/I.S.2-/A440-17, CSA A440S1:19 : CW-PG55-AP				
	60"x36"		AAMA/WDMA/CSA 101/I.S.2-/A440-17, CSA A440S1:19 : LC-PG45-AP				
	48"x51"		AAMA/WDMA/CSA 101/I.S.2-/A440-17, CSA A440S1:19 : CW-PG40-AP				
	48"x51"		AAMA/WDMA/CSA 101/I.S.2-/A440-17, CSA A440S1:19 : LC-PG50-AP				
Glass Option	Energy Rating	U-value (metric)	U-value (imperial)	Solar Heat Gain Coefficient	Visible Transmittance	Condensation Resistance	Energy Star 2020
Clear	21	2.4	0.42	0.57	0.59	43	N
Clear W/Grilles	18	2.4	0.42	0.52	0.54	43	N
LoE Argon	36	1.5	0.27	0.52	0.58	57	Y
LoE Argon W/Grilles	33	1.5	0.27	0.47	0.53	57	N
Energlass	37	1.5	0.26	0.52	0.58	58	Y
Energlass W/Grilles	35	1.5	0.26	0.47	0.53	58	Y
LoE Argon-LSG	24	1.5	0.26	0.28	0.51	57	N
LoE Argon-LSG W/Grilles	22	1.5	0.26	0.26	0.46	57	N
Energlass-LSG	25	1.4	0.25	0.28	0.51	59	N
Energlass-LSG W/Grilles	24	1.4	0.25	0.26	0.46	59	N
Triple LoE Argonx1-LSG	30	1.1	0.20	0.26	0.46	69	Y
Triple LoE Argonx1-LSG W/Grilles	29	1.1	0.20	0.24	0.42	69	Y
Energlass Plus Argon-LSG	35	0.9	0.15	0.24	0.40	67	Y
Energlass Plus Argon-LSG W/Grilles	34	0.9	0.15	0.22	0.36	67	Y
Triple LoE Argonx1	41	1.1	0.20	0.46	0.53	67	Y
Triple LoE Argonx1 W/Grilles	39	1.1	0.20	0.42	0.48	67	Y
Energlass Plus Argon	46	0.9	0.16	0.45	0.52	74	Y
Energlass Plus Argon W/Grilles	44	0.9	0.16	0.41	0.47	74	Y

<b>2020 Supreme Casement Narrow Picture</b>	<b>Sizes Tested</b>		<b>NAFS Ratings</b>				
	36"x90"		AAMA/WDMA/CSA 101/I.S.2-/A440-17,CSA A440S1:19 : CW-PG90-FW				
	79"x79"		AAMA/WDMA/CSA 101/I.S.2-/A440-17,CSA A440S1:19 : CW-PG70-FW				
<b>Glass Option</b>	<b>Energy Rating</b>	<b>U-value (metric)</b>	<b>U-value (imperial)</b>	<b>Solar Heat Gain Coefficient</b>	<b>Visible Transmittance</b>	<b>Condensation Resistance</b>	<b>Energy Star 2020</b>
Clear	23	2.6	0.45	0.68	0.71	43	N
Clear W/Grilles	19	2.6	0.45	0.61	0.63	43	N
LoE Argon	40	1.6	0.28	0.61	0.69	58	Y
LoE Argon W/Grilles	37	1.6	0.28	0.55	0.62	58	Y
Energlass	42	1.5	0.27	0.61	0.69	60	Y
Energlass W/Grilles	38	1.5	0.27	0.55	0.62	60	Y
LoE Argon-LSG	27	1.5	0.26	0.33	0.60	59	N
LoE Argon-LSG W/Grilles	25	1.5	0.26	0.30	0.54	59	N
Energlass-LSG	27	1.5	0.26	0.33	0.60	61	N
Energlass-LSG W/Grilles	25	1.5	0.26	0.30	0.54	61	N
Triple LoE Argonx1-LSG	33	1.1	0.20	0.31	0.55	71	Y
Triple LoE Argonx1-LSG W/Grilles	31	1.1	0.20	0.28	0.49	71	Y
Energlass Plus Argon-LSG	39	0.8	0.14	0.28	0.47	73	Y
Energlass Plus Argon-LSG W/Grilles	38	0.8	0.14	0.26	0.42	73	Y
Triple LoE Argonx1	47	1.1	0.20	0.55	0.63	70	Y
Triple LoE Argonx1 W/Grilles	44	1.1	0.20	0.50	0.56	70	Y
Energlass Plus Argon	51	0.9	0.16	0.53	0.61	77	Y
Energlass Plus Argon W/Grilles	48	0.9	0.16	0.48	0.55	77	Y

<b>2020 Supreme Casement Wide Picture</b>	<b>Sizes Tested</b>		<b>NAFS Ratings</b>				
	79"x79"		AAMA/WDMA/CSA 101/I.S.2-/A440-17,CSA A440S1:19 : CW-PG70-FW				
<b>Glass Option</b>	<b>Energy Rating</b>	<b>U-value (metric)</b>	<b>U-value (imperial)</b>	<b>Solar Heat Gain Coefficient</b>	<b>Visible Transmittance</b>	<b>Condensation Resistance</b>	<b>Energy Star 2020</b>
Clear	23	2.5	0.44	0.65	0.67	43	N
Clear W/Grilles	19	2.5	0.44	0.58	0.60	43	N
LoE Argon	40	1.5	0.27	0.58	0.66	57	Y
LoE Argon W/Grilles	36	1.5	0.27	0.52	0.59	57	Y
Energlass	40	1.5	0.27	0.58	0.66	59	Y
Energlass W/Grilles	36	1.5	0.27	0.52	0.59	59	Y
LoE Argon-LSG	26	1.5	0.26	0.32	0.57	58	N
LoE Argon-LSG W/Grilles	24	1.5	0.26	0.28	0.51	58	N
Energlass-LSG	27	1.4	0.25	0.32	0.57	60	N
Energlass-LSG W/Grilles	25	1.4	0.25	0.28	0.51	60	N
Triple LoE Argonx1-LSG	32	1.1	0.20	0.29	0.52	70	Y
Triple LoE Argonx1-LSG W/Grilles	30	1.1	0.20	0.26	0.47	70	Y
Energlass Plus Argon-LSG	37	0.9	0.15	0.27	0.45	72	Y
Energlass Plus Argon-LSG W/Grilles	36	0.9	0.15	0.25	0.40	72	Y
Triple LoE Argonx1	45	1.1	0.20	0.52	0.60	70	Y
Triple LoE Argonx1 W/Grilles	42	1.1	0.20	0.47	0.54	70	Y
Energlass Plus Argon	49	0.9	0.16	0.50	0.58	77	Y
Energlass Plus Argon W/Grilles	46	0.9	0.16	0.45	0.52	77	Y

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 2020
Clear	18	2.3	0.41	0.51	0.53	44	N
Clear w Grilles	15	2.3	0.41	0.46	0.47	44	N
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	0.51	60	N
Energlass w Grilles	31	1.5	0.27	0.42	0.46	60	N
LoE/Argon-LSG	21	1.5	0.27	0.25	0.45	59	N
LoE/Argon-LSG w Grilles	19	1.5	0.27	0.23	0.41	59	N
Energlass-LSG	22	1.5	0.26	0.25	0.45	61	N
Energlass-LSG w Grilles	20	1.5	0.26	0.23	0.41	61	N
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	Y
Triple LoE/Argon x 1 w Grilles	34	1.3	0.22	0.37	0.43	70	Y
Triple LoE/Argon x 1 LSG	27	1.2	0.21	0.23	0.41	70	Y
Triple LoE/Argon x 1 LSG w Grilles	26	1.2	0.21	0.21	0.37	70	Y
Energlass Plus Argon	40	1.0	0.18	0.40	0.47	77	Y
Energlass Plus Argon w Grilles	38	1.0	0.18	0.36	0.42	77	Y
Energlass Plus Argon LSG	30	1.0	0.17	0.20	0.35	78	Y
Energlass Plus Argon LSG w Grilles	29	1.0	0.17	0.18	0.32	78	Y

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	N
Clear w Grilles	14	2.4	0.42	0.46	0.47	43	N
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	33	1.5	0.27	0.46	0.51	59	N
Energlass w Grilles	30	1.5	0.27	0.42	0.46	59	N
LoE/Argon-LSG	21	1.5	0.27	0.25	0.45	58	N
LoE/Argon-LSG w Grilles	19	1.5	0.27	0.23	0.41	58	N
Energlass-LSG	22	1.5	0.26	0.25	0.45	60	N
Energlass-LSG w Grilles	20	1.5	0.26	0.23	0.41	60	N
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	Y
Triple LoE/Argon x 1 LSG	26	1.3	0.22	0.23	0.41	71	N
Triple LoE/Argon x 1 LSG w Grilles	24	1.3	0.22	0.21	0.37	71	N
Energlass Plus Argon	40	1.0	0.18	0.40	0.47	76	Y
Energlass Plus Argon w Grilles	38	1.0	0.18	0.36	0.42	76	Y
Energlass Plus Argon LSG	30	1.0	0.17	0.20	0.35	77	Y
Energlass Plus Argon LSG w Grilles	29	1.0	0.17	0.18	0.32	77	Y

Supreme Casement Fixed Sash	Size Tested			NAFS Ratings			
	60" x 78"			AAMA/WDMA/CSA/1.S.2-/A440-08:CW-PG45-FW			
	78" x 60"			AAMA/WDMA/CSA/1.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	N
Clear w Grilles	18	2.4	0.43	0.54	0.56	43	N
LoE/Argon	36	1.6	0.28	0.54	0.62	57	Y
LoE/Argon w Grilles	33	1.6	0.28	0.49	0.55	57	N
Energlass	38	1.5	0.27	0.55	0.61	60	Y
Energlass w Grilles	35	1.5	0.27	0.49	0.55	60	Y
LoE/Argon-LSG	25	1.5	0.26	0.30	0.54	59	N
LoE/Argon-LSG w Grilles	23	1.5	0.26	0.27	0.48	59	N
Energlass-LSG	26	1.4	0.25	0.30	0.54	61	N
Energlass-LSG w Grilles	24	1.4	0.25	0.27	0.48	61	N
Triple	34	1.7	0.30	0.55	0.58	61	Y
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	Y
Triple LoE/Argon x 1 w Grilles	39	1.2	0.21	0.44	0.50	70	Y
Triple LoE/Argon x 1 LSG	29	1.2	0.21	0.27	0.49	71	Y
Triple LoE/Argon x 1 LSG w Grilles	28	1.2	0.21	0.25	0.44	71	Y
Energlass Plus Argon	46	1.0	0.17	0.47	0.56	76	Y
Energlass Plus Argon w Grilles	43	1.0	0.17	0.42	0.50	76	Y
Energlass Plus Argon LSG	33	0.9	0.16	0.23	0.42	78	Y
Energlass Plus Argon LSG w Grilles	32	0.9	0.16	0.21	0.37	78	Y

Supreme Casement Wide Picture	Size Tested			NAFS Ratings			
	60" x 96"			AAMA/WDMA/CSA/1.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	N
Clear w Grilles	17	2.5	0.44	0.55	0.56	44	N
LoE/Argon	36	1.6	0.28	0.54	0.62	58	Y
LoE/Argon w Grilles	33	1.6	0.28	0.49	0.56	58	N
Energlass	38	1.5	0.27	0.55	0.62	60	Y
Energlass w Grilles	35	1.5	0.27	0.49	0.55	60	Y
LoE/Argon-LSG	25	1.5	0.26	0.30	0.54	59	N
LoE/Argon-LSG w Grilles	23	1.5	0.26	0.27	0.48	59	N
Energlass-LSG	25	1.5	0.26	0.30	0.54	61	N
Energlass-LSG w Grilles	23	1.5	0.26	0.27	0.48	61	N
Triple	34	1.7	0.30	0.55	0.58	61	Y
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	Y
Triple LoE/Argon x 1 w Grilles	39	1.2	0.21	0.44	0.51	69	Y
Triple LoE/Argon x 1 LSG	30	1.2	0.21	0.28	0.49	70	Y
Triple LoE/Argon x 1 LSG w Grilles	28	1.2	0.21	0.25	0.44	70	Y
Energlass Plus Argon	46	1.0	0.17	0.47	0.56	75	Y
Energlass Plus Argon w Grilles	43	1.0	0.17	0.42	0.50	75	Y
Energlass Plus Argon LSG	34	0.9	0.16	0.24	0.42	77	Y
Energlass Plus Argon LSG w Grilles	32	0.9	0.16	0.21	0.37	77	Y

Supreme Casement Narrow Picture	Size Tested			NAFS Ratings			
	60" x 96"			AAMA/WDMA/CSA/1.S.2-/A440-08:LC-PG40-FW			
	57" x 108"			AAMA/WDMA/CSA/1.S.2-/A440-08:LC-PG35-FW			
	Energy Rating	U-value (metric)	U-value (imperial)	Solar Heat Gain Coefficient	Visible Transmittance	Condensation Resistance	Energy Star Zones 2020
Clear	22	2.6	0.46	0.68	0.71	44	N
Clear w Grilles	18	2.6	0.46	0.61	0.64	44	N
LoE/Argon	39	1.7	0.29	0.61	0.70	54	Y
LoE/Argon w Grilles	35	1.7	0.29	0.55	0.63	54	Y
Energlass	42	1.5	0.27	0.62	0.69	56	Y
Energlass w Grilles	38	1.5	0.27	0.55	0.62	56	Y
LoE/Argon-LSG	25	1.5	0.27	0.33	0.61	59	N
LoE/Argon-LSG w Grilles	24	1.5	0.27	0.30	0.54	59	N
Energlass-LSG	26	1.5	0.26	0.33	0.61	61	N
Energlass-LSG w Grilles	25	1.5	0.26	0.30	0.54	61	N
Triple	37	1.8	0.31	0.62	0.65	61	Y
Triple w Grilles	34	1.8	0.31	0.56	0.58	61	Y
Triple LoE/Argon x 1	46	1.2	0.21	0.55	0.64	70	Y
Triple LoE/Argon x 1 w Grilles	43	1.2	0.21	0.50	0.57	70	Y
Triple LoE/Argon x 1 LSG	32	1.2	0.21	0.31	0.55	71	Y
Triple LoE/Argon x 1 LSG w Grilles	30	1.2	0.21	0.28	0.50	71	Y
Energlass Plus Argon	50	0.9	0.16	0.53	0.63	76	Y
Energlass Plus Argon w Grilles	48	0.9	0.16	0.48	0.56	76	Y
Energlass Plus Argon LSG	36	0.9	0.15	0.26	0.47	78	Y
Energlass Plus Argon LSG w Grilles	35	0.9	0.15	0.24	0.42	78	Y

Supreme Single Hung	Size Tested			NAFS Ratings			
	43" x 84"			AAMA/WDMA/CSA/1.S.2-/A440-08:LC-PG40-H			
	40" x 63"			AAMA/WDMA/CSA/1.S.2-/A440-08:R-PG70-H			
	Energy Rating	U-value (metric)	U-value (imperial)	Solar Heat Gain Coefficient	Visible Transmittance	Condensation Resistance	Energy Star Zones 2020
Clear	16	2.7	0.47	0.62	0.65	47	N
Clear w Grilles	13	2.7	0.47	0.56	0.58	47	N
LoE/Argon	34	1.7	0.30	0.56	0.63	55	Y
LoE/Argon w Grilles	31	1.7	0.30	0.50	0.56	55	N
Energlass	35	1.6	0.29	0.56	0.63	57	Y
Energlass w Grilles	32	1.6	0.29	0.50	0.56	57	N
LoE/Argon-LSG	20	1.6	0.29	0.30	0.55	56	N
LoE/Argon-LSG w Grilles	18	1.6	0.29	0.27	0.49	56	N
Energlass-LSG	22	1.6	0.28	0.30	0.55	58	N
Energlass-LSG w Grilles	20	1.6	0.28	0.27	0.49	58	N
Triple Clear	28	2.0	0.35	0.56	0.59	55	N
Triple Clear w Grilles	23	2.0	0.36	0.50	0.53	56	N
Triple LoE/Argon x 1	36	1.5	0.26	0.50	0.58	62	Y
Triple LoE/Argon x 1 w Grilles	30	1.6	0.28	0.45	0.51	61	Y
Energlass Plus Argon	39	1.2	0.22	0.48	0.56	67	Y
Energlass Plus Argon w Grilles	37	1.2	0.22	0.44	0.50	68	Y
Energlass Plus Krypton	44	1.0	0.18	0.48	0.56	71	Y
Energlass Plus Krypton w Grilles	41	1.1	0.19	0.44	0.50	71	Y
Triple LoE/Argon x 1 LSG	23	1.5	0.26	0.28	0.50	64	N
Triple LoE/Argon x 1 LSG w Grilles	22	1.4	0.25	0.25	0.45	65	N
Energlass Plus Argon LSG	29	1.2	0.21	0.26	0.43	68	Y
Energlass Plus Argon LSG w Grilles	28	1.2	0.21	0.24	0.38	69	Y
Energlass Plus Krypton - LSG	34	1.0	0.17	0.26	0.43	71	Y
Energlass Plus Krypton - LSG w Grilles	31	1.0	0.18	0.24	0.38	72	Y

Supreme Single Glider	Size Tested			NAFS Ratings			
	63" x 39"			AAMA/WDMA/CSA/ISO.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 2020
Clear	16	2.7	0.47	0.62	0.65	47	N
Clear w Grilles	13	2.7	0.47	0.56	0.58	47	N
LoE/Argon	32	1.8	0.31	0.55	0.62	55	N
LoE/Argon w Grilles	29	1.8	0.31	0.50	0.56	55	N
Energlass	35	1.6	0.29	0.55	0.62	58	Y
Energlass w Grilles	32	1.6	0.29	0.50	0.56	58	N
LoE/Argon-LSG	20	1.6	0.29	0.30	0.55	56	N
LoE/Argon-LSG w Grilles	18	1.6	0.29	0.27	0.49	56	N
Energlass-LSG	22	1.6	0.28	0.30	0.55	58	N
Energlass-LSG w Grilles	20	1.6	0.28	0.27	0.49	58	N
Triple Clear	28	2.0	0.35	0.56	0.59	55	N
Triple Clear w Grilles	23	2.0	0.36	0.50	0.53	56	N
Triple LoE/Argon x 1	34	1.5	0.27	0.50	0.57	62	Y
Triple LoE/Argon x 1 w Grilles	30	1.6	0.28	0.45	0.51	61	N
Energlass Plus Argon	39	1.2	0.22	0.48	0.56	67	Y
Energlass Plus Argon w Grilles	35	1.3	0.23	0.43	0.50	67	Y
Energlass Plus Krypton	44	1.0	0.18	0.48	0.56	70	Y
Energlass Plus Krypton w Grilles	40	1.1	0.19	0.43	0.50	70	Y
Triple LoE/Argon x 1 LSG	23	1.5	0.26	0.28	0.50	64	N
Triple LoE/Argon x 1 LSG w Grilles	22	1.4	0.25	0.25	0.45	65	N
Energlass Plus Argon LSG	28	1.2	0.21	0.26	0.43	68	Y
Energlass Plus Argon LSG w Grilles	25	1.2	0.22	0.23	0.38	68	N
Energlass Plus Krypton - LSG	33	1.0	0.17	0.26	0.43	71	Y
Energlass Plus Krypton - LSG w Grilles	30	1.0	0.18	0.23	0.38	71	Y

Supreme Single Hung Picture Window	Sizes Tested			NAFS Ratings			
	50" x 100"			AAMA/WDMA/CSA/ISO.2-/A440-08:R-PG50-FW			
	72" x 84"			AAMA/WDMA/CSA/ISO.2-/A440-08:CW-PG60-FW			
Energy Rating	U-value (metric)	U-value (imperial)	Solar Heat Gain Coefficient	Visible Transmittance	Condensation Resistance	Energy Star Zones 2020	
Clear	20	2.6	0.46	0.64	0.67	47	N
Clear w Grilles	16	2.6	0.46	0.57	0.59	47	N
LoE/Argon	37	1.6	0.29	0.58	0.65	57	Y
LoE/Argon w Grilles	34	1.6	0.29	0.52	0.58	57	Y
Energlass	39	1.6	0.28	0.58	0.65	59	Y
Energlass w Grilles	35	1.6	0.28	0.52	0.58	59	Y
LoE/Argon-LSG	23	1.6	0.28	0.31	0.57	58	N
LoE/Argon-LSG w Grilles	21	1.6	0.28	0.28	0.51	58	N
Energlass-LSG	26	1.5	0.26	0.31	0.57	60	N
Energlass-LSG w Grilles	24	1.5	0.26	0.28	0.51	60	N
Triple Clear	31	1.9	0.34	0.58	0.61	56	N
Triple Clear w Grilles	26	1.4	0.25	0.29	0.52	65	N
Triple LoE/Argon x 1	39	1.4	0.25	0.52	0.59	64	Y
Triple LoE/Argon x 1 w Grilles	34	1.5	0.27	0.47	0.53	63	Y
Energlass Plus Argon	43	1.2	0.21	0.50	0.58	70	Y
Energlass Plus Argon w Grilles	40	1.2	0.21	0.45	0.52	70	Y
Energlass Plus Krypton	48	1.0	0.17	0.50	0.58	75	Y
Energlass Plus Krypton w Grilles	45	1.0	0.17	0.45	0.52	75	Y
Triple LoE/Argon x 1 LSG	25	1.4	0.24	0.26	0.46	67	N
Triple LoE/Argon x 1 LSG w Grilles	28	1.1	0.20	0.23	0.40	71	N
Energlass Plus Argon LSG	31	1.1	0.20	0.27	0.44	71	Y
Energlass Plus Argon LSG w Grilles	29	1.1	0.20	0.24	0.40	71	Y
Energlass Plus Krypton - LSG	34	0.9	0.16	0.24	0.44	75	Y
Energlass Plus Krypton - LSG w Grilles	26	1.2	0.21	0.22	0.39	75	Y

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 2020
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	34	1.6	0.29	0.55	0.62	56	
LoE/Argon w Grilles	31	1.6	0.29	0.49	0.55	56	
Energlass	34	1.6	0.29	0.55	0.62	58	
Energlass w Grilles	31	1.6	0.29	0.49	0.55	58	
LoE/Argon-LSG	21	1.6	0.28	0.30	0.54	57	
LoE/Argon-LSG w Grilles	19	1.6	0.28	0.27	0.48	57	
Energlass-LSG	22	1.5	0.27	0.30	0.54	59	
Energlass-LSG w Grilles	21	1.5	0.27	0.27	0.48	59	
Triple LoE/Argon x 1 LSG	27	1.2	0.22	0.27	0.49	67	
Triple LoE/Argon x 1 LSG w Grilles	26	1.2	0.22	0.25	0.44	67	
Energlass Plus Argon LSG	32	1.0	0.17	0.26	0.42	72	
Energlass Plus Argon LSG w Grilles	31	1.0	0.17	0.23	0.37	72	
Triple LoE/Argon x 1	40	1.2	0.22	0.49	0.56	65	
Triple LoE/Argon x 1 w Grilles	37	1.2	0.22	0.44	0.50	65	
Energlass Plus Argon	43	1.0	0.18	0.47	0.55	71	
Energlass Plus Argon w Grilles	41	1.0	0.18	0.43	0.49	71	

  

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 2020
Clear	16	2.6	0.45	0.59	0.62	43	N
Clear w Grilles	13	2.6	0.45	0.53	0.55	43	N
LoE/Argon	33	1.6	0.29	0.54	0.60	57	N
LoE/Argon w Grilles	30	1.6	0.29	0.48	0.54	57	N
Energlass	34	1.6	0.28	0.54	0.60	59	Y
Energlass w Grilles	31	1.6	0.28	0.48	0.54	59	N
LoE/Argon-LSG	21	1.5	0.27	0.29	0.53	60	N
LoE/Argon-LSG w Grilles	20	1.5	0.27	0.26	0.47	60	N
Energlass-LSG	20	1.6	0.28	0.29	0.53	57	N
Energlass-LSG w Grilles	18	1.6	0.28	0.26	0.47	57	N
Triple LoE/Argon x 1 LSG	24	1.2	0.22	0.27	0.48	67	N
Triple LoE/Argon x 1 LSG w Grilles	23	1.2	0.22	0.24	0.43	67	N
Energlass Plus Argon LSG	31	1.0	0.17	0.25	0.41	73	Y
Energlass Plus Argon LSG w Grilles	30	1.0	0.17	0.23	0.37	73	Y
Triple LoE/Argon x 1	38	1.2	0.22	0.48	0.55	67	Y
Triple LoE/Argon x 1 w Grilles	36	1.2	0.22	0.43	0.49	67	Y
Energlass Plus Argon	42	1.0	0.18	0.46	0.54	72	Y
Energlass Plus Argon w Grilles	39	1.0	0.18	0.41	0.48	72	Y



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 2020
Clear	23	2.6	0.45	0.68	0.70	45	N
Clear w Grilles	19	2.6	0.45	0.61	0.63	45	N
Energlass-LSG	28	1.4	0.25	0.33	0.60	62	N
Energlass-LSG w Grilles	26	1.4	0.25	0.30	0.54	62	N
Triple Clear	38	1.7	0.30	0.61	0.64	61	Y
Triple Clear w Grilles	34	1.7	0.30	0.55	0.58	61	Y
Triple LoE/Argon x 1 LSG	32	1.1	0.20	0.30	0.55	72	Y
Triple LoE/Argon x 1 LSG w Grilles	31	1.1	0.20	0.28	0.49	72	Y
Energlass Plus Argon LSG	39	0.8	0.14	0.28	0.47	79	Y
Energlass Plus Argon LSG w Grilles	38	0.8	0.14	0.26	0.42	79	Y
Energlass	42	1.5	0.27	0.61	0.69	60	Y
Energlass w Grilles	38	1.5	0.27	0.55	0.62	60	Y
Triple LoE/Argon x 1	47	1.1	0.20	0.55	0.63	71	Y
Triple LoE/Argon x 1 w Grilles	43	1.1	0.20	0.49	0.56	71	Y
Energlass Plus Argon	50	0.9	0.16	0.53	0.61	78	Y
Energlass Plus Argon w Grilles	48	0.9	0.16	0.48	0.55	78	Y

Tilt and Turn Window	Size Tested			NAFS Ratings			
	48"x71"			AAMA/WDMA/CSA/ISO.2-/A440-17:CW-PG95-DAW, CSA A440S1-17			
Glass Options	Energy Rating	U-value (metric)	U-value (imperial)	Solar Heat Gain Coefficient	Visible Transmittance	Condensation Resistance	Energy Star Zones 2020
Clear	18	2.4	0.42	0.53	0.55	45	
Clear w Grilles	15	2.4	0.42	0.47	0.49	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	32	1.6	0.28	0.47	0.54	62	N
Energlass w Grilles	29	1.6	0.28	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/Argon x 1	37	1.2	0.22	0.43	0.49	71	N
Triple LoE/Argon x 1 w Grilles	34	1.2	0.22	0.38	0.44	71	N, NC
Triple LoE/Argon x 1 LSG	26	1.2	0.22	0.24	0.43	72	N, NC, SC, S
Triple LoE/Argon x 1 LSG w Grilles	25	1.2	0.22	0.22	0.38	72	N, NC, SC, S
Energlass Plus Argon LSG	31	1.0	0.17	0.21	0.37	74	N, NC, SC, S
Energlass Plus Argon LSG w Grilles	30	1.0	0.17	0.19	0.32	74	N, NC, SC, S
Energlass Plus Argon	40	1.1	0.19	0.41	0.49	73	N
Energlass Plus Argon w Grilles	38	1.1	0.19	0.37	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/I.S.2-/A440-08: AW-PG70-FW			
	72"x72"			AAMA/WDMA/CSA/I.S.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 2020
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	38	1.6	0.28	0.57	0.65	62	N
Energlass w Grilles	34	1.6	0.28	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	23	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	23	1.5	0.26	0.28	0.51	63	N, NC
Triple LoE/Argon x 1	43	1.2	0.21	0.51	0.60	71	N
Triple LoE/Argon x 1 w Grilles	40	1.2	0.21	0.46	0.53	71	N
Triple LoE/Argon x 1 LSG	30	1.2	0.21	0.29	0.52	72	N, NC
Triple LoE/Argon x 1 LSG w Grilles	29	1.2	0.21	0.26	0.46	72	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	0.22	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/I.S.2-/A440-08: R-PG55-C			
	Glass Option	Energy Rating	U-value (metric)	U-value (imperial)	Solar Heat Gain Coefficient	Visible Transmittance	Condensation Resistance
Clear	20	2.2	0.39	0.50	0.52	45	N
Clear w Grilles	17	2.2	0.39	0.45	0.46	45	N
Energlass-LSG	23	1.4	0.25	0.25	0.44	62	N
Energlass-LSG w Grilles	21	1.4	0.25	0.22	0.40	62	N
Triple Clear	31	1.6	0.28	0.45	0.47	60	N
Triple Clear w Grilles	29	1.6	0.28	0.41	0.43	60	N
Triple LoE/Argon x 1 LSG	27	1.2	0.21	0.23	0.40	69	Y
Triple LoE/Argon x 1 LSG w Grilles	26	1.2	0.21	0.21	0.36	69	Y
Energlass Plus Argon LSG	31	1.0	0.17	0.21	0.34	77	Y
Energlass Plus Argon LSG w Grilles	30	1.0	0.17	0.19	0.31	77	Y
Energlass	33	1.5	0.26	0.45	0.50	61	N
Energlass w Grilles	31	1.5	0.26	0.41	0.45	61	N
Triple LoE/Argon x 1	37	1.2	0.21	0.41	0.46	69	Y
Triple LoE/Argon x 1 w Grilles	35	1.2	0.21	0.37	0.41	69	Y
Energlass Plus Argon	40	1.0	0.18	0.39	0.45	76	Y
Energlass Plus Argon w Grilles	38	1.0	0.18	0.35	0.40	76	Y

<b>6000 Plus Awning</b>	Sizes Tested			NAFS Ratings			
	48"x40"			AAMA/WDMA/CSA/1.S.2-A440-08:LC-PG40			
Glass Option	Energy Rating	U-value (metric)	U-value (imperial)	Solar Heat Gain Coefficient	Visible Transmittance	Condensation Resistance	Energy Star Zones 2020
Clear	18	2.3	0.40	0.50	0.52	44	N
Clear w Grilles	15	2.3	0.40	0.45	0.46	44	N
Energlass-LSG	22	1.4	0.25	0.25	0.44	60	N
Energlass-LSG w Grilles	21	1.4	0.25	0.22	0.40	60	N
Triple Clear	29	1.7	0.29	0.45	0.47	60	N
Triple Clear w Grilles	27	1.7	0.29	0.41	0.43	60	N
Triple LoE/Argon x 1 LSG	26	1.2	0.21	0.23	0.40	70	Y
Triple LoE/Argon x 1 LSG w Grilles	25	1.2	0.21	0.21	0.36	70	Y
Energlass Plus Argon LSG	30	1.0	0.17	0.21	0.34	76	Y
Energlass Plus Argon LSG w Grilles	29	1.0	0.17	0.19	0.31	76	Y
Energlass	33	1.5	0.26	0.45	0.50	60	N
Energlass w Grilles	30	1.5	0.26	0.41	0.45	60	N
Triple LoE/Argon x 1	37	1.2	0.21	0.41	0.46	68	Y
Triple LoE/Argon x 1 w Grilles	34	1.2	0.21	0.37	0.41	68	Y
Energlass Plus Argon	39	1.0	0.18	0.39	0.45	75	Y
Energlass Plus Argon w Grilles	37	1.0	0.18	0.35	0.40	75	Y

<b>6000 Plus Casement Picture Window</b>	Size Tested			NAFS Ratings			
	90"x60"			AAMA/WDMA/CSA/1.S.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 2020
Clear	23	2.6	0.45	0.68	0.70	45	N
Clear w Grilles	19	2.6	0.45	0.61	0.63	45	N
Energlass-LSG	28	1.4	0.25	0.33	0.60	62	N
Energlass-LSG w Grilles	26	1.4	0.25	0.30	0.54	62	N
Triple Clear	38	1.7	0.30	0.61	0.64	61	Y
Triple Clear w Grilles	34	1.7	0.30	0.55	0.58	61	Y
Triple LoE/Argon x 1 LSG	32	1.1	0.20	0.30	0.55	72	Y
Triple LoE/Argon x 1 LSG w Grilles	31	1.1	0.20	0.28	0.49	72	Y
Energlass Plus Argon LSG	39	0.8	0.14	0.28	0.47	79	Y
Energlass Plus Argon LSG w Grilles	38	0.8	0.14	0.26	0.42	79	Y
Energlass	42	1.5	0.27	0.61	0.69	60	Y
Energlass w Grilles	38	1.5	0.27	0.55	0.62	60	Y
Triple LoE/Argon x 1	47	1.1	0.20	0.55	0.63	71	Y
Triple LoE/Argon x 1 w Grilles	43	1.1	0.20	0.49	0.56	71	Y
Energlass Plus Argon	50	0.9	0.16	0.53	0.61	78	Y
Energlass Plus Argon w Grilles	48	0.9	0.16	0.48	0.55	78	Y