





3500

Product Type / Popular Glazing Options	U-Factor (Center of Glass)	R-value (Center of Glass)	Total Unit R-value	NFRC Certified Values					ENERGY STAR QUALIFIED
				NFRC CPD Number	Total Unit U-Factor	SHGC	VT	CR	
Double Hung									
Clear IGU	0.49	2.0	2.2	PGW-M-29	0.46	0.57	0.60	42	No
Grids (Width<1")	0.49	2.0	2.2		0.46	0.51	0.53	42	No
Low E Argon IGU	0.26	3.8	3.2		0.31	0.29	0.53	52	Yes
Grids (Width<1")	0.26	3.8	3.2		0.31	0.26	0.47	52	Yes
Double Low E Argon IGU	0.25	4.0	3.3		0.30	0.27	0.47	53	Yes
Grids (Width<1")	0.25	4.0	3.3		0.30	0.24	0.42	53	Yes
Triple Pane Double Low E Argon IGU	0.18	5.6	4.2		0.24	0.24	0.42	61	Yes
Grids (Width<1")	0.18	5.6	4.0		0.25	0.22	0.38	61	Yes
Reinforced & Insulated Sash Option									
Clear IGU	0.49	2.0	2.2	PGW-M-32	0.45	0.57	0.60	42	No
Grids (Width<1")	0.49	2.0	2.2		0.45	0.51	0.53	42	No
Energy Package (Low E Argon IGU)	0.26	3.8	3.3		0.30	0.29	0.53	52	Yes
Grids (Width<1")	0.26	3.8	3.3		0.30	0.26	0.47	52	Yes
Energy Package Plus (Double Low E Argon IGU)	0.25	4.0	3.4		0.29	0.27	0.47	53	Yes
Grids (Width<1")	0.25	4.0	3.4		0.29	0.24	0.42	53	Yes
Energy Package Max (Triple Pane Double Low E Argon IGU)	0.18	5.6	4.3		0.23	0.25	0.43	62	Yes
Grids (Width<1")	0.18	5.6	4.2		0.24	0.22	0.38	62	Yes
Slider									
Clear IGU	0.49	2.0	2.2	PWG-M-38	0.46	0.56	0.59	42	No
Grids (Width<1")	0.49	2.0	2.2		0.46	0.50	0.52	42	No
Low E Argon IGU	0.26	3.8	3.3		0.30	0.28	0.52	54	Yes
Grids (Width<1")	0.26	3.8	3.3		0.30	0.25	0.46	54	Yes
Double Low E Argon IGU	0.25	4.0	3.3		0.30	0.26	0.47	55	Yes
Grids (Width<1")	0.25	4.0	3.3		0.30	0.24	0.41	55	Yes
Triple Pane Double Low E Argon IGU	0.18	5.6	4.2		0.24	0.24	0.42	61	Yes
Grids (Width<1")	0.18	5.6	4.0		0.25	0.22	0.38	61	Yes
Reinforced & Insulated Sash Option									
Clear IGU	0.49	2.0	2.2	PWG-M-37	0.45	0.56	0.59	42	No
Grids (Width<1")	0.49	2.0	2.2		0.45	0.50	0.52	42	No
Energy Package (Low E Argon IGU)	0.26	3.8	3.3		0.30	0.28	0.52	54	Yes
Grids (Width<1")	0.26	3.8	3.3		0.30	0.25	0.46	54	Yes
Energy Package Plus (Double Low E Argon IGU)	0.25	4.0	3.4		0.29	0.26	0.46	55	Yes
Grids (Width<1")	0.25	4.0	3.4		0.29	0.24	0.41	55	Yes
Energy Package Max (Triple Pane Double Low E Argon IGU)	0.18	5.6	4.2		0.24	0.24	0.42	61	Yes
Grids (Width<1")	0.18	5.6	4.2		0.24	0.22	0.38	61	Yes
Picture									
Clear IGU	0.49	2.1	2.2	PWG-M-41	0.46	0.63	0.68	43	No
Grids (Width<1")	0.49	2.1	2.2		0.46	0.57	0.61	43	No
Low E Argon IGU	0.26	3.8	3.6		0.28	0.32	0.60	56	Yes
Grids (Width<1")	0.26	3.8	3.6		0.28	0.29	0.54	56	Yes
Double Low E Argon IGU	0.26	3.8	3.7		0.27	0.30	0.54	56	Yes
Grids (Width<1")	0.26	3.8	3.7		0.27	0.27	0.48	56	Yes
Triple Pane Double Low E Argon IGU	0.16	6.3	5.1		0.20	0.28	0.49	65	Yes
Grids (Width<1")	0.16	6.3	5.0		0.20	0.25	0.44	65	Yes
Casement									
Clear IGU	0.49	2.0	2.3	PWG-M-25	0.43	0.54	0.56	44	No
Grids (Width<1")	0.49	2.0	2.3		0.43	0.49	0.51	44	No
Low E Argon IGU	0.26	3.8	3.4		0.29	0.27	0.50	58	Yes
Grids (Width<1")	0.26	3.8	3.4		0.29	0.25	0.45	58	Yes
Double Low E Argon IGU	0.25	4.0	3.4		0.29	0.25	0.44	59	Yes
Grids (Width<1")	0.25	4.0	3.4		0.29	0.23	0.40	59	Yes
Triple Pane Double Low E Argon IGU	0.18	5.6	4.3		0.23	0.23	0.40	65	Yes
Grids (Width<1")	0.18	5.6	4.3		0.23	0.21	0.36	65	Yes

 -Option does NOT meet .30 U-Factor/.30 SHGC numbers required for the Energy Tax Credit.
 -Slider with grilles and triple strength glass - does NOT meet the requirements.

NAPCO® 3500

WINDOW SYSTEMS

Product Type / Popular Glazing Options	U-Factor (Center of Glass)	R-value (Center of Glass)	Total Unit R-value	NFRC Certified Values					ENERGY STAR QUALIFIED
				NFRC CPD Number	Total Unit U-Factor	SHGC	VT	CR	
Fixed Casement									
Clear IGU	0.49	2.0	2.3	PWG-M-24	0.44	0.62	0.65	44	No
Grids (Width<1")	0.49	2.0	2.3		0.44	0.56	0.58	44	No
Low E Argon IGU	0.26	3.8	3.7		0.27	0.31	0.58	58	Yes
Grids (Width<1")	0.26	3.8	3.7		0.27	0.28	0.52	58	Yes
Double Low E Argon IGU	0.25	4.0	3.7		0.27	0.29	0.51	59	Yes
Grids (Width<1")	0.25	4.0	3.7		0.27	0.26	0.46	59	Yes
Triple Pane Double Low E Argon IGU	0.18	5.6	4.8		0.21	0.27	0.47	65	Yes
Grids (Width<1")	0.18	5.6	4.8		0.21	0.24	0.42	65	Yes
Awning									
Clear IGU	0.49	2.0	2.3	PWG-M-26	0.43	0.54	0.56	43	No
Grids (Width<1")	0.49	2.0	2.3		0.43	0.49	0.51	43	No
Low E Argon IGU	0.26	3.8	3.4		0.29	0.27	0.50	55	Yes
Grids (Width<1")	0.26	3.8	3.4		0.29	0.25	0.45	55	Yes
Double Low E Argon IGU	0.25	4.0	3.4		0.29	0.25	0.44	56	Yes
Grids (Width<1")	0.25	4.0	3.4		0.29	0.23	0.40	56	Yes
Triple Pane Double Low E Argon IGU	0.18	5.6	4.3		0.23	0.23	0.40	66	Yes
Grids (Width<1")	0.18	5.6	4.3		0.23	0.21	0.36	66	Yes
Premium Sliding Patio Door (CMPD)									
Clear IGU	0.49	2.0	2.3	PWG-M-45	0.43	0.52	0.56	44	No
Grids (Width<1")	0.49	2.0	2.3		0.43	0.45	0.48	44	No
Low E Argon IGU	0.26	3.8	3.4		0.29	0.27	0.49	57	Yes
Grids (Width<1")	0.26	3.8	3.4		0.29	0.23	0.43	57	Yes
Double Low E Argon IGU	0.26	3.8	3.6		0.28	0.25	0.44	58	Yes
Grids (Width<1")	0.26	3.8	3.6		0.28	0.22	0.38	58	Yes
Triple Pane, Double Low E Argon IGU	0.17	5.9	4.5		0.22	0.23	0.40	64	Yes
Grids (Width<1")	0.17	5.9	4.3		0.23	0.20	0.34	64	Yes

-Option does NOT meet .30 U-Factor/.30 SHGC numbers required for the Energy Tax Credit.
 - Only Fixed Casement configuration that meets is triple strength glass in both panes.

NFRC (National Fenestration Rating Council)

- CPD - Certified Product Directory
- SHGC - Solar Heat Gain Coefficient
- VT - Visible Light Transmission
- CR - Condensation Resistance

U-Factor - Rate of Heat Loss
R-Value - Resistance to Heat Flow



Footnotes: Total unit values: Single strength glass for all dual & Triple pane windows with and w/o grids.
 Total unit values: Double strength glass for all dual & triple pane Patio Doors and Picture Windows.