

Product Type / Popular Glazing Options	U-Factor (Center of Glass)	R-value (Center of Glass)	Total Unit R-value	NFRS Certified Values					Energy Star Qualified				
				NFRS CPD Number	Total Unit U-Factor	SHGC	VT	CR	Northern	North-Central	South-Central	Southern	
Double Hung													
WarmEdge Spacer													
Clear IGU	0.49	2.1	2.2	PWG-M-31		0.46	0.57	0.60	43				
Grilles (<1")	0.49	2.1	2.2		0.46	0.51	0.53	43					
Sculptured Grilles (>1")	0.49	2.1	2.2		0.46	0.45	0.47	43					
HP (Low E Argon IGU)	0.26	3.9	3.2		0.31	0.27	0.51	52	•	•	•	•	
Grilles (<1")	0.26	3.9	3.2		0.31	0.24	0.25	52	•	•	•	•	
Sculptured Grilles (>1")	0.26	3.9	3.2		0.31	0.21	0.40	52	•	•	•	•	
HP ^{SC} (Solar Cooling Low E Argon IGU)	0.25	4.0	3.2		0.31	0.20	0.40	52	•	•	•	•	
Grilles (<1")	0.25	4.0	3.2		0.31	0.18	0.35	52	•	•	•	•	
Sculptured Grilles (>1")	0.25	4.0	3.2		0.31	0.16	0.31	52	•	•	•	•	
HP2+ (Double Low E Argon IGU)	0.21	4.8	3.7		0.27	0.26	0.50	41	•	•	•	•	
Grilles (<1")	0.21	4.8	3.7		0.27	0.24	0.44	41	•	•	•	•	
HP2Max (Triple Pane Double Low E Argon IGU)	0.18	5.6	3.8		0.26	0.23	0.39	64	•	•	•	•	
Grilles (<1")	0.18	5.6	3.8		0.26	0.21	0.35	64	•	•	•	•	
HP3Max (Triple Pane Triple Low E Argon IGU)	0.16	6.3	4.5		0.22	0.21	0.38	53	•	•	•	•	
Grilles (Width<1")	0.16	6.3	4.3		0.23	0.19	0.34	53	•	•	•	•	
EP - Insulated & Reinforced Sash Option													
Clear IGU	0.49	2.0	2.2		0.45	0.57	0.60	43					
Grids (Width<1")	0.49	2.0	2.2		0.45	0.51	0.53	43					
Sculptured Grilles (>1")	0.49	2.0	2.2		0.45	0.45	0.47	43					
HP (Low E Argon IGU)	0.26	3.8	3.3		0.30	0.27	0.51	52	•	•	•	•	
Grilles (<1")	0.26	3.8	3.3		0.30	0.24	0.45	52	•	•	•	•	
Sculptured Grilles (>1")	0.26	3.8	3.3		0.30	0.21	0.40	52	•	•	•	•	
HP ^{SC} (Solar Cooling Low E Argon IGU)	0.25	4.0	3.3		0.30	0.20	0.40	52	•	•	•	•	
Grilles (<1")	0.25	4.0	3.3		0.30	0.18	0.35	52	•	•	•	•	
Sculptured Grilles (>1")	0.25	4.0	3.3		0.30	0.16	0.31	52	•	•	•	•	
HP2+ (Double Low E Argon IGU)	0.21	4.8	3.8		0.26	0.26	0.50	41	•	•	•	•	
Grilles (<1")	0.21	4.8	3.8		0.26	0.24	0.44	41	•	•	•	•	
HP2Max (Triple Pane Double Low E Argon IGU)	0.18	5.6	4.0		0.25	0.23	0.39	64	•	•	•	•	
Grilles (<1")	0.18	5.6	4.0		0.25	0.21	0.35	64	•	•	•	•	
HP3Max (Triple Pane Triple Low E Argon IGU)	0.16	6.3	4.5		0.22	0.21	0.38	53	•	•	•	•	
Grilles (Width<1")	0.16	6.3	4.5	0.22	0.19	0.34	53	•	•	•	•		
WarmEdge Plus+ Spacer													
Clear IGU	N/A	N/A	N/A	N/A	N/A	N/A	N/A	-	-	-	-		
Grilles (<1")	N/A	N/A	N/A	N/A	N/A	N/A	N/A	-	-	-	-		
Sculptured Grilles (>1")	N/A	N/A	N/A	N/A	N/A	N/A	N/A	-	-	-	-		
HP (Low E Argon IGU)	0.25	4.0	3.3	0.30	0.27	0.51	56	•	•	•	•		
Grilles (<1")	0.25	4.0	3.3	0.30	0.24	0.45	56	•	•	•	•		
Sculptured Grilles (>1")	0.25	4.0	3.3	0.30	0.21	0.40	56	•	•	•	•		
HP ^{SC} (Solar Cooling Low E Argon IGU)	0.24	4.2	3.4	0.29	0.20	0.40	57	•	•	•	•		
Grilles (<1")	0.24	4.2	3.4	0.29	0.18	0.35	57	•	•	•	•		
Sculptured Grilles (>1")	0.24	4.2	3.4	0.29	0.16	0.31	57	•	•	•	•		
HP2+ (Double Low E Argon IGU)	0.21	4.8	3.8	0.26	0.26	0.50	43	•	•	•	•		
Grilles (<1")	0.21	4.8	3.8	0.26	0.24	0.44	43	•	•	•	•		
EP - Insulated & Reinforced Sash Option													
Clear IGU	N/A	N/A	N/A	N/A	N/A	N/A	N/A	-	-	-	-		
Grids (Width<1")	N/A	N/A	N/A	N/A	N/A	N/A	N/A	-	-	-	-		
Sculptured Grilles (>1")	N/A	N/A	N/A	N/A	N/A	N/A	N/A	-	-	-	-		
HP (Low E Argon IGU)	0.24	4.2	3.4	0.29	0.27	0.51	59	•	•	•	•		
Grilles (<1")	0.24	4.2	3.4	0.29	0.24	0.45	59	•	•	•	•		
Sculptured Grilles (>1")	0.24	4.2	3.4	0.29	0.22	0.40	59	•	•	•	•		
HP ^{SC} (Solar Cooling Low E Argon IGU)	0.23	4.3	3.6	0.28	0.20	0.40	59	•	•	•	•		
Grilles (<1")	0.23	4.3	3.6	0.28	0.18	0.36	59	•	•	•	•		
Sculptured Grilles (>1")	0.23	4.3	3.6	0.28	0.16	0.31	59	•	•	•	•		
HP2+ (Double Low E Argon IGU)	0.21	4.8	4.0	0.25	0.26	0.50	44	•	•	•	•		
Grilles (<1")	0.21	4.8	4.0	0.25	0.24	0.44	44	•	•	•	•		
R-5 Option													
HP3Max (Triple Pane Triple Low E Argon IGU)	0.16	6.3	4.6	0.22	0.21	0.38	53	•	•	•	•		
Grilles (Width<1")	0.16	6.3	4.6	0.22	0.19	0.34	53	•	•	•	•		

Product Type / Popular Glazing Options	U-Factor (Center of Glass)	R-value (Center of Glass)	Total Unit R-value	NFRS Certified Values					Energy Star Qualified					
				NFRS CPD Number	Total Unit U-Factor	SHGC	VT	CR	Northern	North-Central	South-Central	Southern		
Slider														
WarmEdge Spacer														
Clear IGU	0.49	2.0	2.2		0.46	0.58	0.60	42						
Grilles (<1")	0.49	2.0	2.2		0.46	0.52	0.53	42						
Sculptured Grilles (>1")	0.49	2.0	2.2		0.46	0.46	0.47	42						
HP (Low E Argon IGU)	0.26	3.8	3.3		0.30	0.26	0.50	54	•	•	•	•		
Grilles (<1")	0.26	3.8	3.3		0.30	0.24	0.44	54	•	•	•	•		
Sculptured Grilles (>1")	0.26	3.8	3.3		0.30	0.21	0.39	54	•	•	•	•		
HP ^{SC} (Solar Cooling Low E Argon IGU)	0.25	4.0	3.3		0.30	0.20	0.39	54	•	•	•	•		
Grilles (<1")	0.25	4.0	3.3		0.30	0.18	0.35	54	•	•	•	•		
Sculptured Grilles (>1")	0.25	4.0	3.3		0.30	0.16	0.31	54	•	•	•	•		
HP2+ (Double Low E Argon IGU)	0.21	4.8	3.8		0.26	0.26	0.49	45	•	•	•	•		
Grilles (<1")	0.21	4.8	3.8		0.26	0.23	0.43	45	•	•	•	•		
HP2Max (Triple Pane Double Low E Argon IGU)	0.18	5.6	4.2		0.24	0.23	0.39	61	•	•	•	•		
Grilles (<1")	0.18	5.6	4.2		0.24	0.21	0.35	61	•	•	•	•		
HP3Max (Triple Pane Triple Low E Argon IGU)	0.16	6.3	4.5		0.22	0.20	0.38	52	•	•	•	•		
Grilles (Width<1")	0.16	6.3	4.5		0.22	0.18	0.34	52	•	•	•	•		
EP - Insulated & Reinforced Sash Option														
Clear IGU	0.49	2.0	2.2		0.45	0.58	0.60	42						
Grids (Width<1")	0.49	2.0	2.2		0.45	0.52	0.53	42						
Georgian Grids (>1")	0.49	2.0	2.2		0.45	0.46	0.47	42						
HP (Low E Argon IGU)	0.26	3.8	3.4		0.29	0.26	0.50	54	•	•	•	•		
Grilles (<1")	0.26	3.8	3.4		0.29	0.24	0.44	54	•	•	•	•		
Sculptured Grilles (>1")	0.26	3.8	3.4		0.29	0.21	0.39	54	•	•	•	•		
HP ^{SC} (Solar Cooling Low E Argon IGU)	0.25	4.0	3.4		0.29	0.20	0.39	54	•	•	•	•		
Grilles (<1")	0.25	4.0	3.4		0.29	0.18	0.35	54	•	•	•	•		
Sculptured Grilles (>1")	0.25	4.0	3.4		0.29	0.16	0.31	54	•	•	•	•		
HP2+ (Double Low E Argon IGU)	0.21	4.8	3.8		0.26	0.26	0.49	45	•	•	•	•		
Grilles (<1")	0.21	4.8	3.8		0.26	0.23	0.43	45	•	•	•	•		
HP2Max (Triple Pane Double Low E Argon IGU)	0.18	5.6	4.3		0.23	0.23	0.39	61	•	•	•	•		
Grilles (<1")	0.18	5.6	4.2		0.24	0.21	0.35	61	•	•	•	•		
HP3Max (Triple Pane Triple Low E Argon IGU)	0.16	6.3	4.8		0.21	0.20	0.38	52	•	•	•	•		
Grilles (Width<1")	0.16	6.3	4.8		0.21	0.18	0.34	52	•	•	•	•		
WarmEdge Plus+ Spacer														
Clear IGU	N/A	N/A	N/A		N/A	N/A	N/A	N/A	-	-	-	-		
Grilles (<1")	N/A	N/A	N/A		N/A	N/A	N/A	N/A	-	-	-	-		
Sculptured Grilles (>1")	N/A	N/A	N/A		N/A	N/A	N/A	N/A	-	-	-	-		
HP (Low E Argon IGU)	0.26	3.8	3.4		0.29	0.26	0.50	59	•	•	•	•		
Grilles (<1")	0.26	3.8	3.4		0.29	0.24	0.44	59	•	•	•	•		
Sculptured Grilles (>1")	0.26	3.8	3.4		0.29	0.21	0.39	59	•	•	•	•		
HP ^{SC} (Solar Cooling Low E Argon IGU)	0.25	4.0	3.4		0.29	0.20	0.39	59	•	•	•	•		
Grilles (<1")	0.25	4.0	3.4		0.29	0.18	0.35	59	•	•	•	•		
Sculptured Grilles (>1")	0.25	4.0	3.4		0.29	0.16	0.31	59	•	•	•	•		
HP2+ (Double Low E Argon IGU)	0.21	4.8	4.0		0.25	0.26	0.49	48	•	•	•	•		
Grilles (<1")	0.21	4.8	4.0		0.25	0.23	0.43	48	•	•	•	•		
EP - Insulated & Reinforced Sash Option														
Clear IGU	N/A	N/A	N/A		N/A	N/A	N/A	N/A	-	-	-	-		
Grids (Width<1")	N/A	N/A	N/A		N/A	N/A	N/A	N/A	-	-	-	-		
Georgian Grids (>1")	N/A	N/A	N/A		N/A	N/A	N/A	N/A	-	-	-	-		
HP (Low E Argon IGU)	0.26	3.8	3.6		0.28	0.26	0.50	59	•	•	•	•		
Grilles (<1")	0.26	3.8	3.6		0.28	0.24	0.44	59	•	•	•	•		
Sculptured Grilles (>1")	0.26	3.8	3.6		0.28	0.21	0.39	59	•	•	•	•		
HP ^{SC} (Solar Cooling Low E Argon IGU)	0.25	4.0	3.6		0.28	0.20	0.39	59	•	•	•	•		
Grilles (<1")	0.25	4.0	3.6		0.28	0.18	0.35	59	•	•	•	•		
Sculptured Grilles (>1")	0.25	4.0	3.6		0.28	0.16	0.31	59	•	•	•	•		
HP2+ (Double Low E Argon IGU)	0.21	4.8	4.0		0.25	0.26	0.49	48	•	•	•	•		
Grilles (<1")	0.21	4.8	4.0		0.25	0.23	0.43	48	•	•	•	•		
R-5 Option														
HP3Max (Triple Pane Triple Low E Argon IGU)	0.16	6.3	4.8		0.21	0.22	0.38	53	•	•	•	•		
Grilles (Width<1")	0.16	6.3	4.8		0.21	0.20	0.33	53	•	•	•	•		

PWG-M-35

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	Northern	North-Central	South-Central	Southern	
Fixed Window													
WarmEdge Spacer													
Clear IGU	0.49	2.0	2.2	PWG-M-41	0.46	0.69	0.63	44					
Grilles (<1")	0.49	2.0	2.2		0.46	0.62	0.65	44					
Sculptured Grilles (>1")	0.49	2.0	2.2		0.46	0.56	0.58	44					
HP (Low E Argon IGU)	0.26	3.8	3.6		0.28	0.32	0.61	56	•	•			
Grilles (<1")	0.26	3.8	3.6		0.28	0.29	0.55	56	•	•	•		
Sculptured Grilles (>1")	0.26	3.8	3.6		0.28	0.26	0.49	56	•	•	•	•	
HP ^{SC} (Solar Cooling Low E Argon IGU)	0.25	4.0	3.6		0.28	0.24	0.28	57	•	•	•	•	
Grilles (<1")	0.25	4.0	3.6		0.28	0.22	0.43	57	•	•	•	•	
Sculptured Grilles (>1")	0.25	4.0	3.6		0.28	0.20	0.39	57	•	•	•	•	
HP2+ (Double Low E Argon IGU)	0.22	4.5	4.3		0.23	0.30	0.57	45	•	•	•		
Grilles (<1")	0.22	4.5	4.3		0.23	0.27	0.51	45	•	•	•		
HP2Max (Triple Pane Double Low E Argon IGU)	0.17	5.9	5.3		0.19	0.28	0.47	66	•	•	•		
Grilles (<1")	0.17	5.9	4.8		0.21	0.25	0.43	66	•	•	•	•	
HP3Max (Triple Pane Triple Low E Argon IGU)	0.14	7.1	5.9		0.17	0.23	0.44	55	•	•	•	•	
Grilles (Width<1")	0.14	7.1	5.6		0.18	0.21	0.39	55	•	•	•	•	
WarmEdge Plus+ Spacer													
Clear IGU	N/A	N/A	N/A		N/A	N/A	N/A	N/A	N/A	-	-	-	-
Grilles (<1")	N/A	N/A	N/A		N/A	N/A	N/A	N/A	N/A	-	-	-	-
Sculptured Grilles (>1")	N/A	N/A	N/A		N/A	N/A	N/A	N/A	N/A	-	-	-	-
HP (Low E Argon IGU)	0.26	3.8	3.7		0.27	0.32	0.61	59	•	•	•		
Grilles (<1")	0.26	3.8	3.7		0.27	0.29	0.55	59	•	•	•		
Sculptured Grilles (>1")	0.26	3.8	3.7		0.27	0.26	0.49	59	•	•	•	•	
HP ^{SC} (Solar Cooling Low E Argon IGU)	0.25	4.0	3.8		0.26	0.24	0.48	59	•	•	•	•	
Grilles (<1")	0.25	4.0	3.8		0.26	0.22	0.43	59	•	•	•	•	
Sculptured Grilles (>1")	0.25	4.0	3.8	0.26	0.20	0.39	59	•	•	•	•		
HP2+ (Double Low E Argon IGU)	0.22	4.5	4.3	0.23	0.30	0.57	47	•	•	•			
Grilles (<1")	0.22	4.5	4.3	0.23	0.27	0.51	47	•	•	•			
R-5 Option													
HP3Max (Triple Pane Triple Low E Argon IGU)	0.16	6.3	5.7	0.17	0.23	0.44	55	•	•	•	•		
Grilles (Width<1")	0.16	6.3	5.6	0.18	0.21	0.39	55	•	•	•	•		
Casement													
WarmEdge Spacer													
Clear IGU	0.49	2.0	2.3	PWG-M-131	0.43	0.51	0.53	44					
Grilles (<1"), Standard and Sculptured	0.49	2.0	2.3		0.43	0.46	0.48	44					
HP (Low E Argon IGU)	0.26	3.8	3.4		0.29	0.24	0.45	59	•	•	•	•	
Grilles (<1"), Standard and Sculptured	0.26	3.8	3.4		0.29	0.22	0.40	59	•	•	•	•	
HP ^{SC} (Solar Cooling Low E Argon IGU)	0.25	4.0	3.4		0.29	0.18	0.35	59	•	•	•	•	
Grilles (<1"), Standard and Sculptured	0.25	4.0	3.4		0.29	0.17	0.32	59	•	•	•	•	
HPMax (Triple Pane Double Low E Argon IGU)	0.18	5.6	4.3		0.23	0.21	0.35	65	•	•	•	•	
Grilles (<1"), Standard and Sculptured	0.18	5.6	4.2		0.24	0.19	0.31	65	•	•	•	•	
WarmEdge Plus+ Spacer													
Clear IGU	N/A	N/A	N/A		N/A	N/A	N/A	N/A	N/A	-	-	-	-
Grilles (<1"), Standard and Sculptured	N/A	N/A	N/A		N/A	N/A	N/A	N/A	N/A	-	-	-	-
HP (Low E Argon IGU)	0.26	3.8	3.6		0.28	0.24	0.45	62	•	•	•	•	
Grilles (<1"), Standard and Sculptured	0.26	3.8	3.6		0.28	0.22	0.40	62	•	•	•	•	
HP ^{SC} (Solar Cooling Low E Argon IGU)	0.25	4.0	3.6		0.28	0.18	0.35	62	•	•	•	•	
Grilles (<1"), Standard and Sculptured	0.25	4.0	3.6		0.28	0.17	0.32	62	•	•	•	•	
Awning													
WarmEdge Spacer													
Clear IGU	0.49	2.0	2.3		PWG-M-130	0.43	0.51	0.53	44				
Grilles (<1"), Standard and Sculptured	0.49	2.0	2.3			0.43	0.46	0.48	44				
HP (Low E Argon IGU)	0.26	3.8	3.4			0.29	0.24	0.45	59	•	•	•	•
Grilles (<1"), Standard and Sculptured	0.26	3.8	3.4			0.29	0.22	0.40	59	•	•	•	•
HP ^{SC} (Solar Cooling Low E Argon IGU)	0.25	4.0	3.6			0.28	0.18	0.35	59	•	•	•	•
Grilles (<1"), Standard and Sculptured	0.25	4.0	3.6			0.28	0.17	0.32	59	•	•	•	•
HPMax (Triple Pane Double Low E Argon IGU)	0.18	5.6	4.3			0.23	0.21	0.35	65	•	•	•	•
Grilles (<1"), Standard and Sculptured	0.18	5.6	4.3	0.23		0.19	0.31	65	•	•	•	•	
WarmEdge Plus+ Spacer													
Clear IGU	N/A	N/A	N/A	N/A		N/A	N/A	N/A	N/A	-	-	-	-
Grilles (<1"), Standard and Sculptured	N/A	N/A	N/A	N/A		N/A	N/A	N/A	N/A	-	-	-	-
HP (Low E Argon IGU)	0.26	3.8	3.6	0.28		0.24	0.45	62	•	•	•	•	
Grilles (<1"), Standard and Sculptured	0.26	3.8	3.6	0.28		0.22	0.40	62	•	•	•	•	
HP ^{SC} (Solar Cooling Low E Argon IGU)	0.25	4.0	3.6	0.28		0.18	0.35	62	•	•	•	•	
Grilles (<1"), Standard and Sculptured	0.25	4.0	3.6	0.28		0.17	0.32	62	•	•	•	•	
Fixed Casement													
WarmEdge Spacer													
Clear IGU	0.49	2.0	2.1	PWG-M-132		0.47	0.66	0.69	43				
Grilles (<1"), Standard and Sculptured	0.49	2.0	2.1			0.47	0.59	0.62	43				
HP (Low E Argon IGU)	0.26	3.8	3.4			0.29	0.31	0.58	58	•	•		
Grilles (<1"), Standard and Sculptured	0.26	3.8	3.4			0.29	0.28	0.52	58	•	•	•	
HP ^{SC} (Solar Cooling Low E Argon IGU)	0.25	4.0	3.6			0.28	0.23	0.46	58	•	•	•	•
Grilles (<1"), Standard and Sculptured	0.25	4.0	3.6			0.28	0.21	0.41	58	•	•	•	•
HPMax (Triple Pane Double Low E Argon IGU)	0.18	5.6	4.8			0.21	0.26	0.45	65	•	•	•	•
Grilles (<1"), Standard and Sculptured	0.18	5.6	4.5		0.22	0.24	0.40	65	•	•	•	•	
WarmEdge Plus+ Spacer													
Clear IGU	N/A	N/A	N/A		N/A	N/A	N/A	N/A	N/A	-	-	-	-
Grilles (<1"), Standard and Sculptured	N/A	N/A	N/A		N/A	N/A	N/A	N/A	N/A	-	-	-	-
HP (Low E Argon IGU)	0.26	3.8	3.6		0.28	0.30	0.58	61	•	•	•		
Grilles (<1"), Standard and Sculptured	0.26	3.8	3.6		0.28	0.28	0.52	61	•	•	•		
HP ^{SC} (Solar Cooling Low E Argon IGU)	0.25	4.0	3.6		0.28	0.23	0.46	61	•	•	•	•	
Grilles (<1"), Standard and Sculptured	0.25	4.0	3.6		0.28	0.21	0.41	61	•	•	•	•	

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	Northern	North-Central	South-Central	Southern		
Sliding Patio Door														
WarmEdge Spacer														
Clear IGU	0.49	2.0	2.3	PWG-M-47	0.43	0.54	0.56	43						
Grilles (<1")	0.49	2.0	2.3		0.43	0.47	0.49	43						
Sculptured Grilles (>1")	0.49	2.0	2.3		0.43	0.41	0.42	43						
HP (Low E Argon IGU)	0.26	3.8	3.4		0.29	0.22	0.44	57	•	•	•	•		
Grilles (<1")	0.26	3.8	3.4		0.29	0.20	0.38	57	•	•	•	•		
Sculptured Grilles (>1")	0.26	3.8	3.4		0.29	0.17	0.33	57	•	•	•	•		
HP ^{SC} (Solar Cooling Low E Argon IGU)	0.26	3.8	3.4		0.29	0.19	0.38	57	•	•	•	•		
Grilles (<1")	0.26	3.8	3.4		0.29	0.17	0.33	57	•	•	•	•		
Sculptured Grilles (>1")	0.26	3.8	3.4		0.29	0.15	0.28	57	•	•	•	•		
HP2+ (Double Low E Argon IGU)	0.22	4.5	4.0		0.25	0.22	0.43	47	•	•	•	•		
Grilles (<1")	0.22	4.5	4.0		0.25	0.19	0.37	47	•	•	•	•		
HP2Max (Triple Pane Double Low E Argon IGU)	0.17	5.9	4.5		0.22	0.20	0.31	64	•	•	•	•		
Grilles (<1")	0.17	5.9	4.3		0.23	0.17	0.27	64	•	•	•	•		
HP3Max (Triple Pane Triple Low E Argon IGU)	0.14	7.1	4.9		0.21	0.17	0.30	55	•	•	•	•		
Grilles (Width<1")	0.14	7.1	4.8		0.21	0.15	0.26	55	•	•	•	•		
WarmEdge Plus+ Spacer														
Clear IGU	N/A	N/A	N/A		N/A	N/A	N/A	N/A	N/A	-	-	-	-	
Grilles (<1")	N/A	N/A	N/A		N/A	N/A	N/A	N/A	N/A	-	-	-	-	
Sculptured Grilles (>1")	N/A	N/A	N/A		N/A	N/A	N/A	N/A	N/A	-	-	-	-	
HP (Low E Argon IGU)	0.26	3.8	3.6		0.28	0.22	0.44	63	•	•	•	•		
Grilles (<1")	0.26	3.8	3.6		0.28	0.20	0.38	63	•	•	•	•		
Sculptured Grilles (>1")	0.26	3.8	3.6		0.28	0.17	0.33	63	•	•	•	•		
HP ^{SC} (Solar Cooling Low E Argon IGU)	0.26	3.8	3.6		0.28	0.19	0.38	63	•	•	•	•		
Grilles (<1")	0.26	3.8	3.6		0.28	0.17	0.33	63	•	•	•	•		
Sculptured Grilles (>1")	0.26	3.8	3.6		0.28	0.15	0.28	63	•	•	•	•		
HP2+ (Double Low E Argon IGU)	0.22	4.5	4.0		0.25	0.22	0.43	47	•	•	•	•		
Grilles (<1")	0.22	4.5	4.0		0.25	0.19	0.37	47	•	•	•	•		
R-5 Option														
HP3Max (Triple Pane Triple Low E Argon IGU)	0.14	7.1	4.8		0.21	0.17	0.30	55	•	•	•	•		
Grilles (Width<1")	0.14	7.1	4.8		0.21	0.15	0.26	55	•	•	•	•		
Hinged Patio Door - Inswing														
WarmEdge Spacer														
Clear IGU	0.49	2.0	2.2		PWG-M-118	0.46	0.49	0.51	45					
Grilles (<1"), Standard and Sculptured	0.49	2.0	2.2			0.46	0.42	0.43	45					
HP (Low E Argon IGU)	0.26	3.8	3.0			0.33	0.23	0.43	54					
Grilles (<1"), Standard and Sculptured	0.26	3.8	3.0			0.33	0.20	0.37	54					
HP ^{SC} (Solar Cooling Low E Argon IGU)	0.25	4.0	3.0			0.33	0.17	0.34	54					
Grilles (<1"), Standard and Sculptured	0.25	4.0	3.0			0.33	0.15	0.29	54					
HPMax (Triple Pane Double Low E Argon IGU)	0.18	5.6	3.4			0.29	0.20	0.33	56	•	•	•	•	
Grilles (<1"), Standard and Sculptured	0.18	5.6	3.3			0.30	0.18	0.28	56	•	•	•	•	
WarmEdge Plus+ Spacer														
Clear IGU	N/A	N/A	N/A			N/A	N/A	N/A	N/A	N/A	-	-	-	-
Grilles (<1"), Standard and Sculptured	N/A	N/A	N/A			N/A	N/A	N/A	N/A	N/A	-	-	-	-
HP (Low E Argon IGU)	0.26	3.8	3.1			0.32	0.23	0.43	54	•	•	•	•	
Grilles (<1"), Standard and Sculptured	0.26	3.8	3.1			0.32	0.20	0.37	54	•	•	•	•	
HP ^{SC} (Solar Cooling Low E Argon IGU)	0.25	4.0	3.2			0.31	0.17	0.34	54	•	•	•	•	
Grilles (<1"), Standard and Sculptured	0.25	4.0	3.2	0.31		0.15	0.29	54	•	•	•	•		
Hinged Patio Door - Outswing														
WarmEdge Spacer														
Clear IGU	0.49	2.0	2.2	PWG-M-118		0.45	0.50	0.51	44					
Grilles (<1"), Standard and Sculptured	0.49	2.0	2.2			0.46	0.43	0.44	44					
HP (Low E Argon IGU)	0.26	3.8	3.1			0.32	0.23	0.43	59					
Grilles (<1"), Standard and Sculptured	0.26	3.8	3.1			0.32	0.21	0.37	59					
HP ^{SC} (Solar Cooling Low E Argon IGU)	0.25	4.0	3.1			0.32	0.18	0.34	59					
Grilles (<1"), Standard and Sculptured	0.25	4.0	3.1			0.32	0.16	0.29	59					
HPMax (Triple Pane Double Low E Argon IGU)	0.18	5.6	3.6			0.28	0.21	0.33	60	•	•	•	•	
Grilles (<1"), Standard and Sculptured	0.18	5.6	3.4			0.29	0.18	0.29	60	•	•	•	•	
WarmEdge Plus+ Spacer														
Clear IGU	N/A	N/A	N/A			N/A	N/A	N/A	N/A	N/A	-	-	-	-
Grilles (<1"), Standard and Sculptured	N/A	N/A	N/A			N/A	N/A	N/A	N/A	N/A	-	-	-	-
HP (Low E Argon IGU)	0.26	3.8	3.2			0.31	0.23	0.43	60	•	•	•	•	
Grilles (<1"), Standard and Sculptured	0.26	3.8	3.2			0.31	0.21	0.37	60	•	•	•	•	
HP ^{SC} (Solar Cooling Low E Argon IGU)	0.25	4.0	3.2			0.31	0.18	0.34	60	•	•	•	•	
Grilles (<1"), Standard and Sculptured	0.25	4.0	3.2			0.31	0.16	0.29	60	•	•	•	•	

-Option does NOT meet ENERGY STAR zone requirements for 2011 federal energy tax credit.
 -Option is Energy Star Qualified per zone.

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.

Total unit values: Double strength glass for all dual & triple pane Patio Doors, Picture Windows and Architectural Shapes.

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	Northern	North-Central	South-Central	Southern
200 Single Hung												
WarmEdge Spacer												
Clear IGU	0.49	2.0	2.1	PWG-M-122	0.48	0.62	0.65	44				
Grilles (<1"), Standard and Sculptured	0.49	2.0	2.0		0.49	0.55	0.58	44				
HP (Low E Argon IGU)	0.26	3.8	3.2		0.31	0.29	0.55	59	•	•		
Grilles (<1"), Standard and Sculptured	0.26	3.8	3.1		0.32	0.26	0.49	59	•	•	•	
HP ^{SC} (Solar Cooling Low E Argon IGU)	0.25	4.0	3.3		0.30	0.22	0.43	59	•	•	•	
Grilles (<1"), Standard and Sculptured	0.25	4.0	3.1		0.32	0.20	0.38	59	•	•	•	
HP2+ (Double Low E Argon IGU)	0.20	5.0	3.7		0.27	0.27	0.49	43	•	•	•	
Grilles (<1"), Standard and Sculptured	0.20	5.0	3.6		0.28	0.25	0.44	43	•	•	•	
HP2Max (Triple Pane Double Low E Argon IGU)	0.17	5.9	4.2		0.24	0.25	0.42	62	•	•	•	
Grilles (<1"), Standard and Sculptured	0.17	5.9	4.2		0.24	0.23	0.38	62	•	•	•	
HP3Max (Triple Pane Double Low E Argon IGU)	0.15	6.7	4.3		0.23	0.22	0.41	53	•	•	•	
Grilles (<1"), Standard and Sculptured	0.15	6.7	4.3		0.23	0.20	0.37	53	•	•	•	
WarmEdge Plus+ Spacer												
HP (Low E Argon IGU)	0.26	3.8	3.3		0.30	0.29	0.55	62	•	•	•	
Grilles (<1"), Standard and Sculptured	0.26	3.8	3.3		0.30	0.26	0.49	62	•	•	•	
HP ^{SC} (Solar Cooling Low E Argon IGU)	0.25	4.0	3.4		0.29	0.22	0.43	62	•	•	•	
Grilles (<1"), Standard and Sculptured	0.25	4.0	3.3		0.30	0.20	0.38	62	•	•	•	
HP2+ (Double Low E Argon IGU)	0.20	5.0	3.8		0.26	0.27	0.49	47	•	•	•	
Grilles (<1"), Standard and Sculptured	0.20	5.0	3.7		0.27	0.25	0.44	46	•	•	•	
R-5 Option												
HP3Max (Triple Pane Double Low E Argon IGU)	0.15	6.7	4.5	0.22	0.22	0.41	56	•	•	•		
Grilles (<1"), Standard and Sculptured	0.15	6.7	4.5	0.22	0.20	0.37	56	•	•	•		
200 Slider												
WarmEdge Spacer												
Clear IGU	0.49	2.0	2.1	PWG-M-121	0.48	0.62	0.65	44				
Grilles (<1"), Standard and Sculptured	0.49	2.0	2.0		0.49	0.55	0.58	44				
HP (Low E Argon IGU)	0.26	3.8	3.2		0.31	0.29	0.55	59	•	•		
Grilles (<1"), Standard and Sculptured	0.26	3.8	3.1		0.32	0.26	0.49	59	•	•	•	
HP ^{SC} (Solar Cooling Low E Argon IGU)	0.25	4.0	3.3		0.30	0.22	0.43	59	•	•	•	
Grilles (<1"), Standard and Sculptured	0.25	4.0	3.1		0.32	0.20	0.38	59	•	•	•	
HP2+ (Double Low E Argon IGU)	0.20	5.0	3.7		0.27	0.27	0.49	43	•	•	•	
Grilles (<1"), Standard and Sculptured	0.20	5.0	3.6		0.28	0.25	0.44	43	•	•	•	
HP2Max (Triple Pane Double Low E Argon IGU)	0.17	5.9	4.2		0.24	0.25	0.42	63	•	•	•	
Grilles (<1"), Standard and Sculptured	0.17	5.9	4.2		0.24	0.23	0.38	63	•	•	•	
HP3Max (Triple Pane Double Low E Argon IGU)	0.15	6.7	4.3		0.23	0.22	0.41	52	•	•	•	
Grilles (<1"), Standard and Sculptured	0.15	6.7	4.3		0.23	0.20	0.37	52	•	•	•	
WarmEdge Plus+ Spacer												
HP (Low E Argon IGU)	0.26	3.8	3.3		0.30	0.29	0.55	62	•	•	•	
Grilles (<1"), Standard and Sculptured	0.26	3.8	3.3		0.30	0.26	0.49	62	•	•	•	
HP ^{SC} (Solar Cooling Low E Argon IGU)	0.25	4.0	3.4		0.29	0.22	0.43	62	•	•	•	
Grilles (<1"), Standard and Sculptured	0.25	4.0	3.3		0.30	0.20	0.38	62	•	•	•	
HP2+ (Double Low E Argon IGU)	0.20	5.0	3.8		0.26	0.27	0.49	47	•	•	•	
Grilles (<1"), Standard and Sculptured	0.20	5.0	3.7		0.27	0.25	0.44	47	•	•	•	
R-5 Option												
HP3Max (Triple Pane Double Low E Argon IGU)	0.15	6.7	4.5	0.22	0.22	0.41	56	•	•	•		
Grilles (<1"), Standard and Sculptured	0.15	6.7	4.5	0.22	0.20	0.37	56	•	•	•		

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	Northern	North-Central	South-Central	Southern
200 Fixed Window												
WarmEdge Spacer												
Clear IGU	0.49	2.0	2.1	PWG-M-120	0.47	0.69	0.72	43				
Grilles (<1"), Standard and Sculptured	0.49	2.0	2.1		0.48	0.62	0.65	43				
HP (Low E Argon IGU)	0.26	3.8	3.6		0.28	0.32	0.61	58	•	•		
Grilles (<1"), Standard and Sculptured	0.26	3.8	3.3		0.30	0.29	0.55	58	•	•	•	
HP ^{SC} (Solar Cooling Low E Argon IGU)	0.25	4.0	3.6		0.28	0.24	0.48	58	•	•	•	•
Grilles (<1"), Standard and Sculptured	0.25	4.0	3.4		0.29	0.22	0.43	58	•	•	•	•
HP2+ (Double Low E Argon IGU)	0.20	5.0	4.2		0.24	0.30	0.55	44	•	•	•	
Grilles (<1"), Standard and Sculptured	0.20	5.0	4.0		0.25	0.28	0.50	44	•	•	•	
HP2Max (Triple Pane Double Low E Argon IGU)	0.17	5.9	4.8		0.21	0.28	0.47	67	•	•	•	
Grilles (<1"), Standard and Sculptured	0.17	5.9	4.8		0.21	0.25	0.42	67	•	•	•	•
HP3Max (Triple Pane Double Low E Argon IGU)	0.15	6.7	5.3		0.19	0.25	0.46	54	•	•	•	•
Grilles (<1"), Standard and Sculptured	0.15	6.7	5.0		0.20	0.22	0.41	54	•	•	•	•
WarmEdge Plus+ Spacer												
HP (Low E Argon IGU)	0.26	3.8	3.7		0.27	0.32	0.61	61	•	•		
Grilles (<1"), Standard and Sculptured	0.26	3.8	3.4		0.29	0.29	0.55	61	•	•	•	
HP ^{SC} (Solar Cooling Low E Argon IGU)	0.25	4.0	3.7		0.27	0.24	0.48	61	•	•	•	•
Grilles (<1"), Standard and Sculptured	0.25	4.0	3.4		0.29	0.22	0.43	61	•	•	•	•
HP2+ (Double Low E Argon IGU)	0.20	5.0	4.3		0.23	0.30	0.55	47	•	•	•	
Grilles (<1"), Standard and Sculptured	0.20	5.0	4.2		0.24	0.28	0.50	47	•	•	•	
R-5 Option												
HP3Max (Triple Pane Double Low E Argon IGU)	0.15	6.7	5.3	0.19	0.25	0.46	54	•	•	•	•	
Grilles (<1"), Standard and Sculptured	0.15	6.7	5.0	0.20	0.22	0.41	54	•	•	•	•	

Product Type / Popular Glazing Options	U-Factor (Center of Glass)	R-value (Center of Glass)	Total Unit R-value	NFR Certified Values					Energy Star Qualified			
				NFR CPD Number	Total Unit U-Factor	SHGC	VT	CR	Northern	North-Central	South-Central	Southern
700 Casement												
WarmEdge Spacer												
Clear IGU	0.49	2.0	2.3		0.43	0.51	0.53	44				
Grilles (<1"), Standard and Sculptured	0.49	2.0	2.3		0.43	0.46	0.48	44				
HP (Low E Argon IGU)	0.26	3.8	3.4		0.29	0.24	0.45	59	•	•	•	
Grilles (<1"), Standard and Sculptured	0.26	3.8	3.4		0.29	0.22	0.40	59	•	•	•	
HP ^{SC} (Solar Cooling Low E Argon IGU)	0.25	4.0	3.4		0.29	0.18	0.35	59	•	•	•	
Grilles (<1"), Standard and Sculptured	0.25	4.0	3.4		0.29	0.17	0.32	59	•	•	•	
HP2+ (Double Low E Argon IGU)	0.20	5.0	4.0		0.25	0.22	0.40	46	•	•	•	
Grilles (<1"), Standard and Sculptured	0.20	5.0	4.0		0.25	0.21	0.36	46	•	•	•	
HP2Max (Triple Pane Double Low E Argon IGU)	0.17	5.9	4.3		0.23	0.21	0.35	65	•	•	•	
Grilles (<1"), Standard and Sculptured	0.17	5.9	4.2		0.24	0.19	0.31	65	•	•	•	
HP3Max (Triple Pane Double Low E Argon IGU)	0.15	6.7	4.8		0.21	0.18	0.32	52	•	•	•	
Grilles (<1"), Standard and Sculptured	0.15	6.7	4.8		0.21	0.17	0.29	52	•	•	•	
WarmEdge Plus+ Spacer												
HP (Low E Argon IGU)	0.26	3.8	3.6		0.28	0.24	0.45	62	•	•	•	
Grilles (<1"), Standard and Sculptured	0.26	3.8	3.6		0.28	0.22	0.40	62	•	•	•	
HP ^{SC} (Solar Cooling Low E Argon IGU)	0.25	4.0	3.6		0.28	0.18	0.35	62	•	•	•	
Grilles (<1"), Standard and Sculptured	0.25	4.0	3.6		0.28	0.17	0.32	62	•	•	•	
HP2+ (Double Low E Argon IGU)	0.20	5.0	4.2		0.24	0.22	0.40	50	•	•	•	
Grilles (<1"), Standard and Sculptured	0.20	5.0	4.2		0.24	0.21	0.36	50	•	•	•	
R-5 Option												
HP3Max (Triple Pane Double Low E Argon IGU)	0.15	6.7	4.8		0.21	0.18	0.32	52	•	•	•	
Grilles (<1"), Standard and Sculptured	0.15	6.7	4.8		0.21	0.17	0.29	52	•	•	•	
700 Awning												
WarmEdge Spacer												
Clear IGU	0.49	2.0	2.3		0.43	0.51	0.53	44				
Grilles (<1"), Standard and Sculptured	0.49	2.0	2.3		0.43	0.46	0.48	44				
HP (Low E Argon IGU)	0.26	3.8	3.4		0.29	0.24	0.45	59	•	•	•	
Grilles (<1"), Standard and Sculptured	0.26	3.8	3.4		0.29	0.22	0.40	59	•	•	•	
HP ^{SC} (Solar Cooling Low E Argon IGU)	0.25	4.0	3.6		0.28	0.18	0.35	59	•	•	•	
Grilles (<1"), Standard and Sculptured	0.25	4.0	3.6		0.28	0.17	0.32	59	•	•	•	
HP2+ (Double Low E Argon IGU)	0.20	5.0	4.0		0.25	0.22	0.40	45	•	•	•	
Grilles (<1"), Standard and Sculptured	0.20	5.0	4.0		0.25	0.20	0.36	45	•	•	•	
HP2Max (Triple Pane Double Low E Argon IGU)	0.17	5.9	4.3		0.23	0.21	0.35	65	•	•	•	
Grilles (<1"), Standard and Sculptured	0.17	5.9	4.3		0.23	0.19	0.31	65	•	•	•	
HP3Max (Triple Pane Double Low E Argon IGU)	0.15	6.7	4.8		0.21	0.18	0.32	54	•	•	•	
Grilles (<1"), Standard and Sculptured	0.15	6.7	4.8		0.21	0.17	0.29	54	•	•	•	
WarmEdge Plus+ Spacer												
HP (Low E Argon IGU)	0.26	3.8	3.6		0.28	0.24	0.45	62	•	•	•	
Grilles (<1"), Standard and Sculptured	0.26	3.8	3.6		0.28	0.22	0.40	62	•	•	•	
HP ^{SC} (Solar Cooling Low E Argon IGU)	0.25	4.0	3.6		0.28	0.18	0.35	62	•	•	•	
Grilles (<1"), Standard and Sculptured	0.25	4.0	3.6		0.28	0.17	0.32	62	•	•	•	
HP2+ (Double Low E Argon IGU)	0.20	5.0	4.0		0.25	0.22	0.40	49	•	•	•	
Grilles (<1"), Standard and Sculptured	0.20	5.0	4.0		0.25	0.20	0.36	49	•	•	•	
R-5 Option												
HP3Max (Triple Pane Double Low E Argon IGU)	0.15	6.7	4.8		0.21	0.18	0.32	54	•	•	•	
Grilles (<1"), Standard and Sculptured	0.15	6.7	4.8		0.21	0.17	0.29	54	•	•	•	

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	Northern	North-Central	South-Central	Southern	
700 Fixed Casement													
WarmEdge Spacer													
Clear IGU	0.49	2.0	2.1	PWG-M-132	0.47	0.66	0.69	43					
Grilles (<1"), Standard and Sculptured	0.49	2.0	2.1		0.47	0.59	0.62	43					
HP (Low E Argon IGU)	0.26	3.8	3.4		0.29	0.31	0.58	58	•	•			
Grilles (<1"), Standard and Sculptured	0.26	3.8	3.4		0.29	0.28	0.52	58	•	•	•		
HP ^{SC} (Solar Cooling Low E Argon IGU)	0.25	4.0	3.6		0.28	0.23	0.46	58	•	•	•	•	
Grilles (<1"), Standard and Sculptured	0.25	4.0	3.6		0.28	0.21	0.41	58	•	•	•	•	
HP2+ (Double Low E Argon IGU)	0.20	5.0	4.2		0.24	0.29	0.53	45	•	•	•		
Grilles (<1"), Standard and Sculptured	0.20	5.0	4.2		0.24	0.26	0.47	45	•	•	•	•	
HP2Max (Triple Pane Double Low E Argon IGU)	0.17	5.9	4.8		0.21	0.26	0.45	65	•	•	•	•	
Grilles (<1"), Standard and Sculptured	0.17	5.9	4.5		0.22	0.24	0.40	65	•	•	•	•	
HP3Max (Triple Pane Double Low E Argon IGU)	0.15	6.7	5.3		0.19	0.23	0.42	53	•	•	•	•	
Grilles (<1"), Standard and Sculptured	0.15	6.7	5.3		0.19	0.21	0.38	53	•	•	•	•	
WarmEdge Plus+ Spacer													
HP (Low E Argon IGU)	0.26	3.8	3.6		0.28	0.30	0.58	61	•	•	•		
Grilles (<1"), Standard and Sculptured	0.26	3.8	3.6		0.28	0.28	0.52	61	•	•	•		
HP ^{SC} (Solar Cooling Low E Argon IGU)	0.25	4.0	3.6		0.28	0.23	0.46	61	•	•	•	•	
Grilles (<1"), Standard and Sculptured	0.25	4.0	3.6		0.28	0.21	0.41	61	•	•	•	•	
HP2+ (Double Low E Argon IGU)	0.20	5.0	4.3		0.23	0.29	0.53	49	•	•	•		
Grilles (<1"), Standard and Sculptured	0.20	5.0	4.3		0.23	0.26	0.47	49	•	•	•	•	
R-5 Option													
HP3Max (Triple Pane Double Low E Argon IGU)	0.15	6.7	5.3	0.19	0.23	0.42	53	•	•	•	•		
Grilles (<1"), Standard and Sculptured	0.15	6.7	5.3	0.19	0.21	0.38	53	•	•	•	•		

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	Northern	North-Central	South-Central	Southern
960 Sliding Patio Door												
WarmEdge Spacer				PWG-M-144								
Clear IGU	0.49	2.0	2.1		0.47	0.61	0.64	41				
Grilles (<1"), Standard and Sculptured	0.49	2.0	2.1		0.48	0.54	0.56	41				
HP (Low E Argon IGU)	0.26	3.8	3.3		0.30	0.28	0.54	53	•	•	•	•
Grilles (<1"), Standard and Sculptured	0.26	3.8	3.1		0.32	0.25	0.47	52	•	•	•	•
HP ^{SC} (Solar Cooling Low E Argon IGU)	0.25	4.0	3.3		0.30	0.22	0.42	53	•	•	•	•
Grilles (<1"), Standard and Sculptured	0.25	4.0	3.1		0.32	0.19	0.37	53	•	•	•	•
HP2+ (Double Low E Argon IGU)	0.20	5.0	3.8		0.26	0.27	0.49	44	•	•	•	•
Grilles (<1"), Standard and Sculptured	0.20	5.0	3.7		0.27	0.24	0.43	44	•	•	•	•
HP2Max (Triple Pane Double Low E Argon IGU)	0.17	5.9	4.2		0.24	0.24	0.42	59	•	•	•	•
Grilles (<1"), Standard and Sculptured	0.17	5.9	3.8		0.26	0.22	0.36	59	•	•	•	•
HP3Max (Triple Pane Double Low E Argon IGU)	0.15	6.7	4.5		0.22	0.22	0.40	52	•	•	•	•
Grilles (<1"), Standard and Sculptured	0.15	6.7	4.3		0.23	0.19	0.35	52	•	•	•	•
WarmEdge Plus+ Spacer												
HP (Low E Argon IGU)	0.26	3.8	3.4		0.29	0.28	0.54	57	•	•	•	•
Grilles (<1"), Standard and Sculptured	0.26	3.8	3.2		0.31	0.25	0.47	57	•	•	•	•
HP ^{SC} (Solar Cooling Low E Argon IGU)	0.25	4.0	3.4		0.29	0.22	0.42	57	•	•	•	•
Grilles (<1"), Standard and Sculptured	0.25	4.0	3.2		0.31	0.19	0.37	57	•	•	•	•
HP2+ (Double Low E Argon IGU)	0.20	5.0	3.8		0.26	0.27	0.49	47	•	•	•	•
Grilles (<1"), Standard and Sculptured	0.20	5.0	3.7		0.27	0.24	0.43	47	•	•	•	•
R-5 Option												
HP3Max (Triple Pane Double Low E Argon IGU)	0.15	6.7	4.5		0.22	0.22	0.40	52	•	•	•	•
Grilles (<1"), Standard and Sculptured	0.15	6.7	4.5		0.22	0.19	0.35	58	•	•	•	•

-Option does NOT meet ENERGY STAR zone requirements for 2011 federal energy tax credit.
 -Option is Energy Star Qualified per zone.

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: Double strength glass for all windows and doors.