


# Thermal Performance Data


Premium Coastal IG Casement Windows (1210)  
*Operating windows*

**WEATHER SHIELD.**  
**WINDOWS & DOORS**

Revised 10/23/23

ENERGY PERFORMANCE DATA									 US ENERGY STAR V 7.0 N NC SC S				
NFRC Total Unit Calculations <sup>a</sup>													
Grille Option	Glazing thickness	Glazing Option	CPD #	U Value	Solar Heat Gain Coefficient	Visible Light Transmittance	Condensation Resistance Rating						
<b>Insulated Impact</b>													
<b>No GIA or SDL</b>	1"	Clear Insul	WEA-N-286-01339-00001	0.44	0.49	0.54	43						
	1"	Insul Low-E 272	WEA-N-286-01340-00001	0.34	0.28	0.47	52						
	1"	Insul Low E 272 w/Argon	WEA-N-286-01345-00001	0.30	0.28	0.47	55						
	1"	Insul Low-E 366	WEA-N-286-01341-00001	0.33	0.19	0.42	52						
	1"	Insul Low E 366 w/Argon	WEA-N-286-01346-00001	0.29	0.19	0.42	56					Y	
	1"	Insul Low-E 240	WEA-N-286-01343-00001	0.34	0.18	0.26	52						
	1"	Insul Low-E 240 w/Argon	WEA-N-286-01348-00001	0.30	0.17	0.26	55					Y	
	1"	Insul Low-E 340	WEA-N-286-01342-00001	0.33	0.14	0.25	52						
	1"	Insul Low-E 340 w/Argon	WEA-N-286-01347-00001	0.30	0.13	0.25	56					Y	
<b>Less Than 1" GIA or SDL</b>	1"	Clear Insul	WEA-N-286-01339-00002	0.44	0.44	0.48	43						
	1"	Insul Low-E 272	WEA-N-286-01340-00002	0.34	0.26	0.42	52						
	1"	Insul Low E 272 w/Argon	WEA-N-286-01345-00002	0.30	0.26	0.42	55						
	1"	Insul Low-E 366	WEA-N-286-01341-00002	0.33	0.18	0.38	52						
	1"	Insul Low E 366 w/Argon	WEA-N-286-01346-00002	0.29	0.18	0.38	56					Y	
	1"	Insul Low-E 240	WEA-N-286-01343-00002	0.34	0.17	0.23	52						
	1"	Insul Low-E 240 w/Argon	WEA-N-286-01348-00002	0.30	0.16	0.23	55					Y	
	1"	Insul Low-E 340	WEA-N-286-01342-00002	0.33	0.13	0.23	52						
	1"	Insul Low-E 340 w/Argon	WEA-N-286-01347-00002	0.30	0.12	0.23	56					Y	
<b>1" Or Over GIA or SDL</b>	1"	Clear Insul	WEA-N-286-01339-00003	0.44	0.40	0.44	43						
	1"	Insul Low-E 272	WEA-N-286-01340-00003	0.34	0.24	0.38	52						
	1"	Insul Low E 272 w/Argon	WEA-N-286-01345-00003	0.30	0.23	0.38	55					Y	
	1"	Insul Low-E 366	WEA-N-286-01341-00003	0.33	0.16	0.34	52						
	1"	Insul Low E 366 w/Argon	WEA-N-286-01346-00003	0.29	0.16	0.34	56					Y	
	1"	Insul Low-E 240	WEA-N-286-01343-00003	0.34	0.15	0.21	52						
	1"	Insul Low-E 240 w/Argon	WEA-N-286-01348-00003	0.30	0.15	0.21	55					Y	
	1"	Insul Low-E 340	WEA-N-286-01342-00003	0.33	0.12	0.21	52						
	1"	Insul Low-E 340 w/Argon	WEA-N-286-01347-00003	0.30	0.11	0.21	56					Y	

<sup>a</sup> Total Unit calculations are derived from computer simulations that are then verified by 3rd party testing in accordance with NFRC 100, NFRC 200, and NFRC 500.

US Qualification Criteria	Climate Zone	U-Factor	*SHGC	
 Energy Star Version 7.0 Starting October 2023	Northern	<=0.22	>=0.17	Prescriptive
	North-Central	=0.23	>=0.35	Equivalent Energy Performance
		=0.24		
		=0.25	>=0.40	
		0.26		
	North-Central	<=0.25	<=0.40	
	South-Central	<=0.28	<=0.23	
Southern	<=0.32	<=0.23		

\* SHGC = Solar Heat Gain Coefficient