



DOUBLE-HUNG

GLAZING PERFORMANCE - TOTAL UNIT

Aluminum-Clad Exterior



Glazing Thickness	Type of Glazing	NFRC Certified Product #	Glass (mm)			Gap Fill	Performance Values ¹				Shaded Areas Meet ENERGY STAR® Performance Criteria in Zones Shown							
			Ext.	Mid.	Int.		U-Factor ¹	SHGC	VLT	CR	U. S.				Canada ²			
											Zone				ER	Zone		
											N	NC	SC	S				
TRIPLE-PANE GLAZING WITH CLEAR HGP																		
5/8"	Clear IG	PEL-N-121-01488-00001	2.5	2.5	2.5	air	0.34	0.52	0.55	54					28			
5/8"	Clear IG	PEL-N-121-01492-00001	3	3	3	air	0.36	0.51	0.54	57					25			
5/8"	Advanced Low-E IG	PEL-N-121-01524-00001	2.5	2.5	2.5	argon	0.25	0.25	0.47	58					23			
5/8"	Advanced Low-E IG	PEL-N-121-01528-00001	3	3	3	argon	0.26	0.25	0.46	60					22			
5/8"	SunDefense™ Low-E IG	PEL-N-121-01560-00001	2.5	2.5	2.5	argon	0.25	0.19	0.43	58					20			
5/8"	SunDefense™ Low-E IG	PEL-N-121-01564-00001	3	3	3	argon	0.26	0.19	0.43	60					19			
5/8"	AdvancedComfort Low-E IG	PEL-N-121-01542-00001	2.5	2.5	2.5	argon	0.22	0.25	0.46	58					27			
5/8"	AdvancedComfort Low-E IG	PEL-N-121-01546-00001	3	3	3	argon	0.24	0.24	0.45	61					24			
5/8"	NaturalSun Low-E IG	PEL-N-121-01506-00001	2.5	2.5	2.5	argon	0.25	0.46	0.53	57					35			
5/8"	NaturalSun Low-E IG	PEL-N-121-01510-00001	3	3	3	argon	0.27	0.45	0.52	60					32			
TINTED GLAZING WITH CLEAR HGP																		
5/8"	Bronze Advanced Low-E IG	PEL-N-121-01576-00001	5	3	3	argon	0.28	0.22	0.30	59					18			
5/8"	Gray Advanced Low-E IG	PEL-N-121-01588-00001	5	3	3	argon	0.28	0.20	0.26	59					17			
5/8"	Green Advanced Low-E IG	PEL-N-121-01600-00001	5	3	3	argon	0.28	0.24	0.40	59					19			
HIGH ALTITUDE GLAZING WITH CLEAR HGP																		
5/8"	Advanced Low-E HA IG	PEL-N-121-01515-00001	2.5	2.5	2.5	air	0.27	0.25	0.47	57					21			
5/8"	Advanced Low-E HA IG	PEL-N-121-01519-00001	3	3	3	air	0.29	0.25	0.46	59								
5/8"	SunDefense™ Low-E HA IG	PEL-N-121-01551-00001	2.5	2.5	2.5	air	0.27	0.19	0.43	57					17			
5/8"	SunDefense™ Low-E HA IG	PEL-N-121-01555-00001	3	3	3	air	0.29	0.19	0.43	59								
5/8"	AdvancedComfort Low-E HA IG	PEL-N-121-01533-00001	2.5	2.5	2.5	air	0.24	0.25	0.46	58					25			
5/8"	AdvancedComfort Low-E HA IG	PEL-N-121-01537-00001	3	3	3	air	0.26	0.24	0.45	60					22			
5/8"	NaturalSun Low-E HA IG	PEL-N-121-01497-00001	2.5	2.5	2.5	air	0.28	0.46	0.53	56					32			
5/8"	NaturalSun Low-E HA IG	PEL-N-121-01501-00001	3	3	3	air	0.29	0.45	0.52	59					30			

R-Value = 1/U-Factor
 SHGC = Solar Heat Gain Coefficient
 VLT % = Visible Light Transmission
 CR = Condensation Resistance
 ER = Canadian Energy Rating

(1) Glazing performance values are calculated based on NFRC 100, NFRC 200 and NFRC 500. ENERGY STAR® values are updated to 2016 (Version 6) criteria.

(2) The values shown are based on Canada's updated ENERGY STAR® 2015 initiative.

See the Product Performance section for more detailed information or visit www.energystar.gov for Energy Star guidelines.

