

Thermal Performance Data

Visions 3500 Slider Windows (9408)

(J-channel)



ENERGY PERFORMANCE DATA								ENERGY STAR		CANADIAN ENERGY PERFORMANCE DATA				ENERGY STAR					
NFRC Total Unit Calculations ^a								US ENERGY STAR V 6.0						CANADA ENERGY STAR v 4.1					
Grille Option	Glazing thickness	Glazing Option ^b	CPD #	U Value	Solar Heat Gain Coefficient	Visible Light Transmittance	Condensation Resistance Rating	N	NC	SC	S	U-Value (metric)	Maximum Air Leakage L/s/m2	Air Infiltration/Exfiltration Average	Energy Rating	1	2	3	
No GIA or SDL	3/4"	Clear Insul	WEA-N-308-00001-00001	0.46	0.63	0.66	45					2.61	0.6	0.56	18				
	3/4"	Insul Low-E	WEA-N-308-00007-00001	0.31	0.34	0.58	57					1.76	0.6	0.56	20				
	3/4"	Insul Low E w/Argon	WEA-N-308-00016-00001	0.27	0.33	0.58	62	Y	Y			1.53	0.6	0.56	24	Y			
	3/4"	Bronze Low E	WEA-N-308-00009-00011	0.31	0.32	0.42	57					1.76	0.6	0.56	19				
	3/4"	Bronze Low E w/Argon	WEA-N-308-00019-00011	0.28	0.32	0.42	60	Y	Y			1.59	0.6	0.56	23	Y			
	3/4"	Insul Low-E 340	WEA-N-308-00072-00001	0.31	0.15	0.31	57				Y		1.76	0.6	0.60	9			
	3/4"	Insul Low-E 340 w/Argon	WEA-N-308-00087-00001	0.27	0.14	0.31	60	Y	Y	Y	Y		1.53	0.6	0.60	13			
	3/4"	Zo-e-shield 5	WEA-N-308-00028-00001	0.31	0.22	0.52	57				Y		1.76	0.6	0.56	13			
	3/4"	Zo-e-shield 5 w/ Argon	WEA-N-308-00046-00001	0.27	0.22	0.52	61	Y	Y	Y	Y		1.53	0.6	0.56	18	Y		
	3/4"	Zo-e-shield 5 Extreme	WEA-N-308-00032-00001	0.26	0.22	0.51	45	Y	Y	Y	Y		1.48	0.6	0.56	19	Y		
	3/4"	Zo-e-shield 5 Extreme w/ Argon	WEA-N-308-00050-00001	0.23	0.22	0.51	48	Y	Y	Y	Y		1.31	0.6	0.56	23	Y	Y	
	3/4"	Insul Low-E 180	WEA-N-308-00062-00001	0.32	0.55	0.63	56						1.82	0.6	0.60	31	Y	Y	
	3/4"	Insul Low E 180 w/Argon	WEA-N-308-00077-00001	0.28	0.56	0.63	60	Y					1.59	0.6	0.60	36	Y	Y	Y
	1"	Zo-e-shield 6	WEA-N-308-00036-00001	0.31	0.22	0.50	59				Y		1.76	0.6	0.56	13			
1"	Zo-e-shield 6 w/ Argon	WEA-N-308-00054-00001	0.27	0.22	0.50	63	Y	Y	Y	Y		1.53	0.6	0.60	18	Y			
Less Than 1" GIA or SDL	3/4"	Clear Insul	WEA-N-308-00001-00002	0.46	0.57	0.59	45					2.61	0.6	0.56	15				
	3/4"	Insul Low-E	WEA-N-308-00007-00002	0.31	0.30	0.51	57					1.76	0.6	0.56	18				
	3/4"	Insul Low E w/Argon	WEA-N-308-00016-00002	0.27	0.30	0.51	62	Y	Y			1.53	0.6	0.56	23	Y			
	3/4"	Bronze Low E	WEA-N-308-00009-00012	0.31	0.29	0.38	57					1.76	0.6	0.56	17				
	3/4"	Bronze Low E w/Argon	WEA-N-308-00019-00012	0.28	0.28	0.38	60		Y			1.59	0.6	0.56	20	Y			
	3/4"	Insul Low-E 340	WEA-N-308-00072-00002	0.31	0.14	0.28	57				Y		1.76	0.6	0.60	8			
	3/4"	Insul Low-E 340 w/Argon	WEA-N-308-00087-00002	0.27	0.13	0.28	60	Y	Y	Y	Y		1.53	0.6	0.60	13			
	3/4"	Zo-e-shield 5	WEA-N-308-00028-00002	0.31	0.20	0.46	57				Y		1.76	0.6	0.56	12			
	3/4"	Zo-e-shield 5 w/ Argon	WEA-N-308-00046-00002	0.27	0.20	0.46	61	Y	Y	Y	Y		1.53	0.6	0.56	17	Y		
	3/4"	Zo-e-shield 5 Extreme	WEA-N-308-00032-00002	0.26	0.20	0.45	45	Y	Y	Y	Y		1.48	0.6	0.56	18	Y		
	3/4"	Zo-e-shield 5 Extreme w/ Argon	WEA-N-308-00050-00002	0.23	0.20	0.45	48	Y	Y	Y	Y		1.31	0.6	0.60	22	Y	Y	
	3/4"	Insul Low-E 180	WEA-N-308-00062-00002	0.32	0.50	0.57	56						1.82	0.6	0.60	28	Y		
	3/4"	Insul Low E 180 w/Argon	WEA-N-308-00077-00002	0.28	0.50	0.57	60	Y					1.59	0.6	0.60	33	Y	Y	
	1"	Zo-e-shield 6	WEA-N-308-00036-00002	0.31	0.20	0.45	59				Y		1.76	0.6	0.56	12			
1"	Zo-e-shield 6 w/ Argon	WEA-N-308-00054-00002	0.27	0.20	0.45	63	Y	Y	Y	Y		1.53	0.6	0.60	17	Y			
1" or Over GIA or SDL	3/4"	Clear Insul	WEA-N-308-00001-00003	0.46	0.51	0.52	45					2.61	0.6	0.56	11				
	3/4"	Insul Low-E	WEA-N-308-00007-00003	0.31	0.27	0.46	57					1.76	0.6	0.56	16				
	3/4"	Insul Low E w/Argon	WEA-N-308-00016-00003	0.27	0.27	0.46	62	Y	Y			1.53	0.6	0.56	21	Y			
	3/4"	Bronze Low E	WEA-N-308-00009-00013	0.31	0.26	0.33	57					1.76	0.6	0.56	15				
	3/4"	Bronze Low E w/Argon	WEA-N-308-00019-00013	0.28	0.26	0.33	60		Y			1.59	0.6	0.56	19	Y			
	3/4"	Insul Low-E 340	WEA-N-308-00072-00003	0.31	0.12	0.25	57				Y		1.76	0.6	0.60	7			
	3/4"	Insul Low-E 340 w/Argon	WEA-N-308-00087-00003	0.27	0.12	0.25	60	Y	Y	Y	Y		1.53	0.6	0.60	12			
	3/4"	Zo-e-shield 5	WEA-N-308-00028-00003	0.31	0.18	0.41	57				Y		1.76	0.6	0.56	11			
	3/4"	Zo-e-shield 5 w/ Argon	WEA-N-308-00046-00003	0.27	0.18	0.41	61	Y	Y	Y	Y		1.53	0.6	0.56	16			
	3/4"	Zo-e-shield 5 Extreme	WEA-N-308-00032-00003	0.26	0.18	0.40	45	Y	Y	Y	Y		1.48	0.6	0.56	17	Y		
	3/4"	Zo-e-shield 5 Extreme w/ Argon	WEA-N-308-00050-00003	0.23	0.18	0.40	48	Y	Y	Y	Y		1.31	0.6	0.60	21	Y	Y	
	3/4"	Insul Low-E 180	WEA-N-308-00062-00003	0.32	0.44	0.50	56						1.82	0.6	0.60	24			
	3/4"	Insul Low E 180 w/Argon	WEA-N-308-00077-00003	0.28	0.45	0.50	60	Y					1.59	0.6	0.60	30	Y	Y	
	1"	Zo-e-shield 6	WEA-N-308-00036-00003	0.31	0.18	0.40	59				Y		1.76	0.6	0.56	11			
1"	Zo-e-shield 6 w/ Argon	WEA-N-308-00054-00003	0.27	0.18	0.40	63	Y	Y	Y	Y		1.53	0.6	0.60	16				

^a Total Unit calculations are derived from computer simulations that are then verified by 3rd party testing in accordance with NFRC 100-2004, NFRC 200-2004, and NFRC 500-2004.

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^b Published values reflect 3mm/3mm glass lite thicknesses.

US Qualification Criteria	Climate Zone	U-Factor	*SHGC	
<p>As of January 2016</p>	Northern	<=0.27	Any	Prescriptive
		=0.28	>=0.32	Equivalent Energy Performance
		=0.29	>=0.37	
		=0.30	>=0.42	
	North-Central	<=0.30	<=0.40	
	South-Central	<=0.30	<=0.25	
	Southern	<=0.40	<=0.25	

* SHGC = Solar Heat Gain Coefficient

Air Leakage <= 0.3 cfm/ft²