

# Thermal Performance Data

Visions 3500 Slider Windows (9407)

(non J-channel)




ENERGY PERFORMANCE DATA								ENERGY STAR		CANADIAN ENERGY PERFORMANCE DATA				ENERGY STAR				
NFRC Total Unit Calculations <sup>a</sup>								US ENERGY STAR V 6.0						CANADA ENERGY STAR v 4.1				
Grille Option	Glazing thickness	Glazing Option <sup>b</sup>	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-275-00267-00001	0.46	0.62	0.65	48					2.61	0.6	0.05	19			
	3/4"	Insul Low-E	WEA-N-275-00274-00001	0.32	0.33	0.57	57					1.82	0.6	0.56	18			
	3/4"	Insul Low E w/Argon	WEA-N-275-00280-00001	0.27	0.33	0.57	63	Y	Y			1.53	0.6	0.56	24	Y		
	3/4"	Bronze Low E	WEA-N-275-00274-00011	0.32	0.32	0.42	57					1.82	0.6	0.56	18			
	3/4"	Bronze Low E w/Argon	WEA-N-275-00281-00011	0.28	0.32	0.42	57	Y	Y			1.59	0.6	0.56	23	Y		
	3/4"	Insul Low-E 340	WEA-N-275-00332-00001	0.31	0.15	0.31	58				Y	1.76	0.6	0.56	9			
	3/4"	Insul Low-E 340 w/Argon	WEA-N-275-00347-00001	0.28	0.14	0.31	60		Y	Y	Y	1.59	0.6	0.56	12			
	3/4"	Zo-e-shield 5	WEA-N-275-00288-00001	0.31	0.22	0.51	57				Y	1.76	0.6	0.56	13			
	3/4"	Zo-e-shield 5 w/ Argon	WEA-N-275-00306-00001	0.27	0.22	0.51	60	Y	Y	Y	Y	1.53	0.6	0.56	18	Y		
	3/4"	Zo-e-shield 5 Extreme	WEA-N-275-00292-00001	0.26	0.22	0.50	44	Y	Y	Y	Y	1.48	0.6	0.56	19	Y		
	3/4"	Zo-e-shield 5 Extreme w/ Argon	WEA-N-275-00310-00001	0.23	0.22	0.50	48	Y	Y	Y	Y	1.31	0.6	0.56	23	Y	Y	
	3/4"	Insul Low-E 180	WEA-N-275-00322-00001	0.32	0.55	0.63	55					1.82	0.6	0.56	31	Y	Y	
	3/4"	Insul Low E 180 w/Argon	WEA-N-275-00337-00001	0.29	0.55	0.63	62	Y				1.65	0.6	0.56	35	Y	Y	Y
	3/4"	Zo-e-shield 6	WEA-N-275-00293-00001	0.33	0.23	0.50	56				Y	1.87	0.6	0.56	11			
	3/4"	Zo-e-shield 6 w/ Argon	WEA-N-275-00311-00001	0.28	0.22	0.50	59		Y	Y	Y	1.59	0.6	0.56	17	Y		
	1"	Zo-e-shield 7 (Triple Glazed)	WEA-N-275-00480-00001	0.25	0.20	0.41	61	Y	Y	Y	Y	1.42	0.6	0.56	19	Y		
1"	Zo-e-shield 7 w/ Argon (Triple Glazed)	WEA-N-275-00482-00001	0.21	0.20	0.41	64	Y	Y	Y	Y	1.19	0.6	0.56	24	Y	Y	Y	
Less Than 1" GIA or SDL	3/4"	Clear Insul	WEA-N-275-00267-00002	0.46	0.56	0.58	48					2.61	0.6	0.05	15			
	3/4"	Insul Low-E	WEA-N-275-00274-00002	0.32	0.30	0.51	57					1.82	0.6	0.56	16			
	3/4"	Insul Low E w/Argon	WEA-N-275-00280-00002	0.27	0.30	0.51	63	Y	Y			1.53	0.6	0.56	23	Y		
	3/4"	Bronze Low E	WEA-N-275-00274-00012	0.32	0.29	0.38	57		Y			1.82	0.6	0.56	16			
	3/4"	Bronze Low E w/Argon	WEA-N-275-00281-00012	0.28	0.28	0.38	57		Y			1.59	0.6	0.56	20	Y		
	3/4"	Insul Low-E 340	WEA-N-275-00332-00002	0.31	0.14	0.28	58				Y	1.76	0.6	0.56	8			
	3/4"	Insul Low-E 340 w/Argon	WEA-N-275-00347-00002	0.28	0.13	0.28	60		Y	Y	Y	1.59	0.6	0.56	12			
	3/4"	Zo-e-shield 5	WEA-N-275-00288-00002	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-275-00306-00002	0.27	0.20	0.46	60	Y	Y	Y	Y	1.53	0.6	0.56	17	Y		
	3/4"	Zo-e-shield 5 Extreme	WEA-N-275-00292-00002	0.26	0.20	0.45	44	Y	Y	Y	Y	1.48	0.6	0.56	18	Y		
	3/4"	Zo-e-shield 5 Extreme w/ Argon	WEA-N-275-00310-00002	0.23	0.20	0.45	48	Y	Y	Y	Y	1.31	0.6	0.56	22	Y	Y	
	3/4"	Insul Low-E 180	WEA-N-275-00322-00002	0.32	0.49	0.56	55					1.82	0.6	0.56	27	Y		
	3/4"	Insul Low E 180 w/Argon	WEA-N-275-00337-00002	0.29	0.49	0.56	62	Y				1.65	0.6	0.56	31	Y	Y	
	3/4"	Zo-e-shield 6	WEA-N-275-00294-00001	0.35	0.20	0.45	51				Y	1.99	0.6	0.56	7			
	3/4"	Zo-e-shield 6 w/ Argon	WEA-N-275-00312-00001	0.30	0.20	0.45	59		Y	Y	Y	1.70	0.6	0.56	13			
	1"	Zo-e-shield 7 (Triple Glazed)	WEA-N-275-00481-00001	0.27	0.18	0.37	61	Y	Y	Y	Y	1.53	0.6	0.56	16			
1"	Zo-e-shield 7 w/ Argon (Triple Glazed)	WEA-N-275-00483-00001	0.23	0.18	0.37	64	Y	Y	Y	Y	1.31	0.6	0.56	21	Y	Y		
1" or Over GIA or SDL	3/4"	Clear Insul	WEA-N-275-00267-00003	0.46	0.50	0.52	48					2.61	0.6	0.05	12			
	3/4"	Insul Low-E	WEA-N-275-00274-00003	0.32	0.27	0.45	57					1.82	0.6	0.56	15			
	3/4"	Insul Low E w/Argon	WEA-N-275-00280-00003	0.27	0.27	0.45	63	Y	Y			1.53	0.6	0.56	21	Y		
	3/4"	Bronze Low E	WEA-N-275-00274-00013	0.32	0.26	0.33	57		Y			1.82	0.6	0.56	14			
	3/4"	Bronze Low E w/Argon	WEA-N-275-00281-00013	0.28	0.26	0.33	57		Y			1.59	0.6	0.56	19	Y		
	3/4"	Insul Low-E 340	WEA-N-275-00332-00003	0.31	0.12	0.24	58				Y	1.76	0.6	0.56	7			
	3/4"	Insul Low-E 340 w/Argon	WEA-N-275-00347-00003	0.28	0.12	0.24	60		Y	Y	Y	1.59	0.6	0.56	11			
	3/4"	Zo-e-shield 5	WEA-N-275-00288-00003	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-275-00306-00003	0.27	0.18	0.41	60	Y	Y	Y	Y	1.53	0.6	0.56	16			
	3/4"	Zo-e-shield 5 Extreme	WEA-N-275-00292-00003	0.26	0.18	0.40	44	Y	Y	Y	Y	1.48	0.6	0.56	17	Y		
	3/4"	Zo-e-shield 5 Extreme w/ Argon	WEA-N-275-00310-00003	0.23	0.18	0.40	48	Y	Y	Y	Y	1.31	0.6	0.56	21	Y	Y	
	3/4"	Insul Low-E 180	WEA-N-275-00322-00003	0.32	0.44	0.50	55					1.82	0.6	0.56	24			
	3/4"	Insul Low E 180 w/Argon	WEA-N-275-00337-00003	0.29	0.44	0.50	62	Y				1.65	0.6	0.56	28	Y		
	3/4"	Zo-e-shield 6	WEA-N-275-00294-00002	0.35	0.18	0.40	51				Y	1.99	0.6	0.56	6			
	3/4"	Zo-e-shield 6 w/ Argon	WEA-N-275-00312-00002	0.30	0.18	0.40	59		Y	Y	Y	1.70	0.6	0.56	12			
	1"	Zo-e-shield 7 (Triple Glazed)	WEA-N-275-00481-00002	0.27	0.17	0.32	61	Y	Y	Y	Y	1.53	0.6	0.56	15			
1"	Zo-e-shield 7 w/ Argon (Triple Glazed)	WEA-N-275-00483-00002	0.23	0.17	0.32	64	Y	Y	Y	Y	1.31	0.6	0.56	20	Y	Y		

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

<sup>b</sup> Published values reflect 3mm/3mm glass lite thicknesses.

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US Qualification Criteria	Climate Zone	U-Factor	*SHGC		
 As of January 2016	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/ft<sup>2</sup>