

Thermal Performance Data

Visions 3500 Single Hung Windows (9107)

(non J-channel)




ENERGY PERFORMANCE DATA														CANADIAN ENERGY PERFORMANCE DATA					
NFRC Total Unit Calculations ^a														ENERGY STAR					
Grille Option	Glazing thickness	Glazing Option ^b	CPD #	U Value	Solar Heat Gain Coefficient	Visible Light Transmittance	Condensation Resistance Rating	US ENERGY STAR V 6.0				U-Value (metric)	Maximum Air Leakage L/s/m ²	Air Infiltration/Exfiltration Average	Energy Rating	CANADA ENERGY STAR v 4.1			
								N	NC	SC	S					1	2	3	
No GIA or SDL	3/4"	Clear Insul	WEA-N-276-00198-00001	0.46	0.62	0.65	45					2.61	0.6	0.56	18				
	3/4"	Insul Low-E	WEA-N-276-00328-00001	0.31	0.33	0.57	57					1.76	0.6	0.40	20				
	3/4"	Insul Low E w/Argon	WEA-N-276-00330-00002	0.27	0.33	0.57	61	Y	Y			1.53	0.6	0.40	25	Y			
	3/4"	Bronze Low E	WEA-N-276-00202-00011	0.32	0.32	0.42	56					1.82	0.6	0.56	18				
	3/4"	Bronze Low E w/Argon	WEA-N-276-00206-00011	0.28	0.32	0.42	58	Y	Y			1.59	0.6	0.56	23	Y			
	3/4"	Insul Low-E 340	WEA-N-276-00239-00001	0.33	0.15	0.30	52				Y		1.87	0.6	0.56	7			
	3/4"	Insul Low-E 340 w/Argon	WEA-N-276-00339-00001	0.27	0.15	0.31	62	Y	Y	Y	Y		1.53	0.6	0.56	15			
	3/4"	Zo-e-shield 5	WEA-N-276-00213-00001	0.33	0.23	0.51	52				Y		1.87	0.6	0.56	12			
	3/4"	Zo-e-shield 5 w/ Argon	WEA-N-276-00335-00001	0.27	0.22	0.51	62	Y	Y	Y	Y		1.53	0.6	0.56	19	Y		
	3/4"	Zo-e-shield 5 Extreme	WEA-N-276-00212-00001	0.26	0.22	0.50	49	Y	Y	Y	Y		1.48	0.6	0.56	20	Y		
	3/4"	Zo-e-shield 5 Extreme w/ Argon	WEA-N-276-00227-00001	0.25	0.22	0.50	50	Y	Y	Y	Y		1.42	0.6	0.56	21	Y		
	3/4"	Zo-e-shield 6	WEA-N-276-00215-00001	0.33	0.22	0.50	50				Y		1.87	0.6	0.56	11			
	3/4"	Zo-e-shield 6 w/ Argon	WEA-N-276-00225-00001	0.28	0.22	0.50	51		Y	Y	Y		1.59	0.6	0.56	18	Y		
	1 IN	Zo-e-shield 7 (Triple Glazed)	WEA-N-276-00296-00001	0.28	0.21	0.41	63		Y	Y	Y		1.59	0.6	0.56	17	Y		
	1 IN	Zo-e-shield 7 w/ Argon (Triple Glazed)	WEA-N-276-00299-00001	0.24	0.20	0.41	66	Y	Y	Y	Y		1.36	0.6	0.56	21	Y	Y	
Less Than 1" GIA or SDL	3/4"	Clear Insul	WEA-N-276-00198-00004	0.46	0.56	0.58	45					2.61	0.6	0.56	15				
	3/4"	Insul Low-E	WEA-N-276-00330-00002	0.31	0.30	0.51	57					1.76	0.6	0.40	19				
	3/4"	Insul Low E w/Argon	WEA-N-276-00330-00002	0.27	0.30	0.51	61	Y	Y			1.53	0.6	0.40	24	Y			
	3/4"	Bronze Low E	WEA-N-276-00202-00014	0.32	0.29	0.38	56					1.82	0.6	0.56	17				
	3/4"	Bronze Low E w/Argon	WEA-N-276-00206-00014	0.28	0.28	0.38	58		Y			1.59	0.6	0.56	21	Y			
	3/4"	Insul Low-E 340	WEA-N-276-00239-00004	0.33	0.14	0.27	52				Y		1.87	0.6	0.56	7			
	3/4"	Insul Low-E 340 w/Argon	WEA-N-276-00339-00004	0.27	0.13	0.28	62	Y	Y	Y	Y		1.53	0.6	0.56	14			
	3/4"	Zo-e-shield 5	WEA-N-276-00213-00004	0.33	0.20	0.45	52				Y		1.87	0.6	0.56	10			
	3/4"	Zo-e-shield 5 w/ Argon	WEA-N-276-00335-00004	0.27	0.20	0.46	62	Y	Y	Y	Y		1.53	0.6	0.56	18	Y		
	3/4"	Zo-e-shield 5 Extreme	WEA-N-276-00212-00004	0.26	0.20	0.45	49	Y	Y	Y	Y		1.48	0.6	0.56	19	Y		
	3/4"	Zo-e-shield 5 Extreme w/ Argon	WEA-N-276-00227-00004	0.25	0.20	0.44	50	Y	Y	Y	Y		1.42	0.6	0.56	20	Y		
	3/4"	Zo-e-shield 6	WEA-N-276-00215-00004	0.33	0.20	0.45	50				Y		1.87	0.6	0.56	10			
	3/4"	Zo-e-shield 6 w/ Argon	WEA-N-276-00225-00004	0.28	0.20	0.45	51		Y	Y	Y		1.59	0.6	0.56	16	Y		
	1 IN	Zo-e-shield 7 (Triple Glazed)	WEA-N-276-00298-00004	0.28	0.19	0.36	63		Y	Y	Y		1.59	0.6	0.56	16			
	1 IN	Zo-e-shield 7 w/ Argon (Triple Glazed)	WEA-N-276-00299-00004	0.24	0.18	0.36	66	Y	Y	Y	Y		1.36	0.6	0.56	20	Y	Y	
1" or Over GIA or SDL	3/4"	Clear Insul	WEA-N-276-00198-00005	0.46	0.50	0.52	45					2.61	0.6	0.56	11				
	3/4"	Insul Low-E	WEA-N-276-00330-00002	0.31	0.27	0.45	57					1.76	0.6	0.40	17				
	3/4"	Insul Low E w/Argon	WEA-N-276-00330-00002	0.27	0.27	0.45	61	Y	Y			1.53	0.6	0.40	22	Y			
	3/4"	Bronze Low E	WEA-N-276-00202-00015	0.32	0.26	0.33	56					1.82	0.6	0.56	15				
	3/4"	Bronze Low E w/Argon	WEA-N-276-00206-00015	0.28	0.26	0.33	58		Y			1.59	0.6	0.56	20	Y			
	3/4"	Insul Low-E 340	WEA-N-276-00239-00005	0.33	0.13	0.24	52				Y		1.87	0.6	0.56	6			
	3/4"	Insul Low-E 340 w/Argon	WEA-N-276-00339-00005	0.27	0.12	0.24	62	Y	Y	Y	Y		1.53	0.6	0.56	13			
	3/4"	Zo-e-shield 5	WEA-N-276-00213-00005	0.33	0.18	0.40	52				Y		1.87	0.6	0.56	9			
	3/4"	Zo-e-shield 5 w/ Argon	WEA-N-276-00335-00005	0.27	0.18	0.41	62	Y	Y	Y	Y		1.53	0.6	0.56	17	Y		
	3/4"	Zo-e-shield 5 Extreme	WEA-N-276-00212-00005	0.26	0.18	0.40	49	Y	Y	Y	Y		1.48	0.6	0.56	18	Y		
	3/4"	Zo-e-shield 5 Extreme w/ Argon	WEA-N-276-00227-00005	0.25	0.18	0.39	50	Y	Y	Y	Y		1.42	0.6	0.56	19	Y		
	3/4"	Zo-e-shield 6	WEA-N-276-00215-00005	0.33	0.18	0.40	50				Y		1.87	0.6	0.56	9			
	3/4"	Zo-e-shield 6 w/ Argon	WEA-N-276-00225-00005	0.28	0.18	0.40	51		Y	Y	Y		1.59	0.6	0.56	15			
	1 IN	Zo-e-shield 7 (Triple Glazed)	WEA-N-276-00298-00005	0.28	0.17	0.32	63		Y	Y	Y		1.59	0.6	0.56	15			
	1 IN	Zo-e-shield 7 w/ Argon (Triple Glazed)	WEA-N-276-00299-00005	0.24	0.17	0.32	66	Y	Y	Y	Y		1.36	0.6	0.56	20	Y		

^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	
 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/ft²