

Thermal Performance Data

Visions 3500 Awning (9202)




ENERGY PERFORMANCE DATA														CANADIAN ENERGY PERFORMANCE DATA				
NFRC Total Unit Calculations ^a														CANADIAN ENERGY PERFORMANCE DATA				
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-304-00002-00001	0.42	0.51	0.53	45					2.39	0.6	0.08	17			
	3/4"	Insul Low-E	WEA-N-304-00007-00001	0.30	0.28	0.47	56		Y			1.70	0.6	0.08	19			
	3/4"	Insul Low E w/Argon	WEA-N-304-00017-00001	0.27	0.27	0.47	60	Y	Y			1.53	0.6	0.08	22	Y		
	3/4"	Bronze Low E	WEA-N-304-00008-00001	0.30	0.26	0.34	56		Y			1.70	0.6	0.08	18			
	3/4"	Bronze Low E w/Argon	WEA-N-304-00018-00001	0.27	0.26	0.34	60	Y	Y			1.53	0.6	0.08	21	Y		
	3/4"	Insul Low-E 340	WEA-N-304-00066-00001	0.30	0.13	0.25	56		Y	Y	Y	1.70	0.6	0.08	10			
	3/4"	Insul Low-E 340 w/Argon	WEA-N-304-00074-00001	0.27	0.12	0.25	60	Y	Y	Y	Y	1.53	0.6	0.08	13			
	3/4"	Zo-e-shield 5	WEA-N-304-00024-00001	0.30	0.19	0.42	56		Y	Y	Y	1.70	0.6	0.08	14			
	3/4"	Zo-e-shield 5 w/ Argon	WEA-N-304-00044-00001	0.27	0.18	0.42	60	Y	Y	Y	Y	1.53	0.6	0.08	17	Y		
	3/4"	Zo-e-shield 5 Extreme	WEA-N-304-00032-00001	0.26	0.18	0.41	43	Y	Y	Y	Y	1.48	0.6	0.08	18	Y		
	3/4"	Zo-e-shield 5 Extreme w/ Argon	WEA-N-304-00052-00001	0.24	0.18	0.41	48	Y	Y	Y	Y	1.36	0.6	0.08	20	Y	Y	
	3/4"	Insul Low-E 180	WEA-N-304-00062-00001	0.31	0.45	0.51	56					1.76	0.6	0.08	27	Y		
	3/4"	Insul Low E 180 w/Argon	WEA-N-304-00070-00001	0.28	0.45	0.51	60	Y				1.59	0.6	0.08	31	Y	Y	
	3/4"	Zo-e-shield 6	WEA-N-304-00033-00001	0.32	0.19	0.41	54				Y	1.82	0.6	0.08	11			
	3/4"	Zo-e-shield 6 w/ Argon	WEA-N-304-00053-00001	0.28	0.18	0.41	58		Y	Y	Y	1.59	0.6	0.08	15			
	1"	Zo-e-shield 7 (Triple Glazed)	WEA-N-304-00077-00001	0.25	0.17	0.33	67	Y	Y	Y	Y	1.42	0.6	0.08	19	Y		
	1"	Zo-e-shield 7 w/ Argon (Triple Glazed)	WEA-N-304-00079-00001	0.22	0.17	0.33	72	Y	Y	Y	Y	1.25	0.6	0.08	22	Y	Y	
Less Than 1" GIA or SDL	3/4"	Clear Insul	WEA-N-304-00002-00002	0.42	0.46	0.48	45					2.39	0.6	0.08	14			
	3/4"	Insul Low-E	WEA-N-304-00007-00002	0.30	0.25	0.42	56		Y	Y	Y	1.70	0.6	0.08	17			
	3/4"	Insul Low E w/Argon	WEA-N-304-00017-00002	0.27	0.25	0.42	60	Y	Y	Y	Y	1.53	0.6	0.08	21	Y		
	3/4"	Bronze Low E	WEA-N-304-00008-00002	0.30	0.24	0.31	56		Y	Y	Y	1.70	0.6	0.08	16			
	3/4"	Bronze Low E w/Argon	WEA-N-304-00018-00002	0.27	0.24	0.31	60	Y	Y	Y	Y	1.53	0.6	0.08	20	Y		
	3/4"	Insul Low-E 340	WEA-N-304-00066-00002	0.30	0.12	0.23	56		Y	Y	Y	1.70	0.6	0.08	10			
	3/4"	Insul Low-E 340 w/Argon	WEA-N-304-00074-00002	0.27	0.11	0.23	60	Y	Y	Y	Y	1.53	0.6	0.08	13			
	3/4"	Zo-e-shield 5	WEA-N-304-00024-00002	0.30	0.17	0.38	56		Y	Y	Y	1.70	0.6	0.08	12			
	3/4"	Zo-e-shield 5 w/ Argon	WEA-N-304-00044-00002	0.27	0.17	0.38	60	Y	Y	Y	Y	1.53	0.6	0.08	16	Y		
	3/4"	Zo-e-shield 5 Extreme	WEA-N-304-00032-00002	0.26	0.17	0.37	43	Y	Y	Y	Y	1.48	0.6	0.08	17	Y		
	3/4"	Zo-e-shield 5 Extreme w/ Argon	WEA-N-304-00052-00002	0.24	0.17	0.37	48	Y	Y	Y	Y	1.36	0.6	0.08	20	Y		
	3/4"	Insul Low-E 180	WEA-N-304-00062-00002	0.31	0.41	0.46	56					1.76	0.6	0.08	25			
	3/4"	Insul Low E 180 w/Argon	WEA-N-304-00070-00002	0.28	0.41	0.46	60	Y				1.59	0.6	0.08	29	Y		
	3/4"	Zo-e-shield 6	WEA-N-304-00034-00001	0.32	0.17	0.37	54				Y	1.82	0.6	0.08	10			
	3/4"	Zo-e-shield 6 w/ Argon	WEA-N-304-00054-00001	0.29	0.17	0.37	58		Y	Y	Y	1.65	0.6	0.08	14			
	1"	Zo-e-shield 7 (Triple Glazed)	WEA-N-304-00078-00001	0.25	0.16	0.30	67	Y	Y	Y	Y	1.42	0.6	0.08	18	Y		
	1"	Zo-e-shield 7 w/ Argon (Triple Glazed)	WEA-N-304-00080-00001	0.22	0.15	0.30	72	Y	Y	Y	Y	1.25	0.6	0.08	21	Y	Y	
1" or Over GIA or SDL	3/4"	Clear Insul	WEA-N-304-00002-00003	0.42	0.42	0.43	45					2.39	0.6	0.08	12			
	3/4"	Insul Low-E	WEA-N-304-00007-00003	0.30	0.23	0.38	56		Y	Y	Y	1.70	0.6	0.08	16			
	3/4"	Insul Low E w/Argon	WEA-N-304-00017-00003	0.27	0.23	0.38	60	Y	Y	Y	Y	1.53	0.6	0.08	20	Y		
	3/4"	Bronze Low E	WEA-N-304-00008-00003	0.30	0.22	0.28	56		Y	Y	Y	1.70	0.6	0.08	15			
	3/4"	Bronze Low E w/Argon	WEA-N-304-00018-00003	0.27	0.22	0.28	60	Y	Y	Y	Y	1.53	0.6	0.08	19	Y		
	3/4"	Insul Low-E 340	WEA-N-304-00066-00003	0.30	0.11	0.20	56		Y	Y	Y	1.70	0.6	0.08	9			
	3/4"	Insul Low-E 340 w/Argon	WEA-N-304-00074-00003	0.27	0.10	0.20	60	Y	Y	Y	Y	1.53	0.6	0.08	12			
	3/4"	Zo-e-shield 5	WEA-N-304-00024-00003	0.30	0.16	0.34	56		Y	Y	Y	1.70	0.6	0.08	12			
	3/4"	Zo-e-shield 5 w/ Argon	WEA-N-304-00044-00003	0.27	0.15	0.34	60	Y	Y	Y	Y	1.53	0.6	0.08	15			
	3/4"	Zo-e-shield 5 Extreme	WEA-N-304-00032-00003	0.26	0.15	0.33	43	Y	Y	Y	Y	1.48	0.6	0.08	16	Y		
	3/4"	Zo-e-shield 5 Extreme w/ Argon	WEA-N-304-00052-00003	0.24	0.15	0.33	48	Y	Y	Y	Y	1.36	0.6	0.08	19	Y		
	3/4"	Insul Low-E 180	WEA-N-304-00062-00003	0.31	0.37	0.41	56					1.76	0.6	0.08	23			
	3/4"	Insul Low E 180 w/Argon	WEA-N-304-00070-00003	0.28	0.37	0.41	60	Y	Y			1.59	0.6	0.08	26	Y		
	3/4"	Zo-e-shield 6	WEA-N-304-00034-00002	0.32	0.16	0.33	54				Y	1.82	0.6	0.08	9			
	3/4"	Zo-e-shield 6 w/ Argon	WEA-N-304-00054-00002	0.29	0.15	0.33	58		Y	Y	Y	1.65	0.6	0.08	12			
	1"	Zo-e-shield 7 (Triple Glazed)	WEA-N-304-00078-00002	0.25	0.14	0.27	67	Y	Y	Y	Y	1.42	0.6	0.08	17	Y		
	1"	Zo-e-shield 7 w/ Argon (Triple Glazed)	WEA-N-304-00080-00002	0.22	0.14	0.27	72	Y	Y	Y	Y	1.25	0.6	0.08	21	Y	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