

TEST REPORT FOR EAGON WINDOWS & DOORS CO., LTD.

Report No: L0108.01-116-45 R0

Date: 05/29/20

SECTION 6

SIMULATION RESULTS

TOTAL PRODUCT CALCULATIONS (EWS 75 OW Awning)												
Option Number	Pane Thickness 1 (in)	Gap Width 1 (in)	Pane Thickness 2 (in)	Gap Width 2 (in)	Pane Thickness 3 (in)	Gap Width 3 (in)	Pane Thickness 4 (in)	Gap Fill	Low-e (Surface #)	Tint	Spacer	Grid Type
	U-Factor (Btu/Hr-Ft2-F)			Solar Heat Gain Coefficient (SHGC) Grids (None / <1 / >=1)				Visible Transmittance (VT) Grids (None / <1 / >=1)		Condensation Resistance (CR)		
1	E366 / arg90 / i89 (6mm/6mm) - 25mm IG											
	0.224	0.500	0.223					ARG90	0.020(#2) / 0.149(#4)	CL	SS-D	N
	U-Factor 0.30			SHGC (N) 0.18				VT (N) 0.39		CR 48		
2	E270 / arg90 / i89 (6mm/6mm) - 25mm IG											
	0.224	0.500	0.223					ARG90	0.035(#2) / 0.149(#4)	CL	SS-D	N
	U-Factor 0.30			SHGC (N) 0.23				VT (N) 0.41		CR 48		
3	E180 / arg90 / i89 (6mm/6mm) - 25mm IG											
	0.223	0.500	0.223					ARG90	0.068(#2) / 0.149(#4)	CL	SS-D	N
	U-Factor 0.31			SHGC (N) 0.37				VT (N) 0.47		CR 47		
4	E366 / air / i89 (6mm/6mm) - 25mm IG											
	0.224	0.500	0.223					AIR	0.020(#2) / 0.149(#4)	CL	SS-D	N
	U-Factor 0.32			SHGC (N) 0.18				VT (N) 0.39		CR 44		
5	E270 / air / i89 (6mm/6mm) - 25mm IG											
	0.224	0.500	0.223					AIR	0.035(#2) / 0.149(#4)	CL	SS-D	N
	U-Factor 0.33			SHGC (N) 0.23				VT (N) 0.41		CR 44		
6	E366 / arg90 / clr (6mm/6mm) - 25mm IG											
	0.224	0.500	0.224					ARG90	0.020(#2)	CL	SS-D	N
	U-Factor 0.33			SHGC (N) 0.18				VT (N) 0.39		CR 59		
7	E272 / arg90 / clr (6mm/6mm) - 25mm IG											
	0.224	0.500	0.224					ARG90	0.042(#2)	CL	SS-D	N
	U-Factor 0.33			SHGC (N) 0.26				VT (N) 0.44		CR 59		
8	SB60 / arg90 / clr (6mm/6mm) - 25mm IG											
	0.223	0.500	0.223					ARG90	0.035(#2)	CL	TS-D	N
	U-Factor 0.34			SHGC (N) 0.25				VT (N) 0.44		CR 57		
9	SB70 / arg90 / clr (6mm/6mm) - 25mm IG											
	0.223	0.500	0.223					ARG90	0.018(#2)	CL	TS-D	N
	U-Factor 0.33			SHGC (N) 0.18				VT (N) 0.40		CR 58		
10	E272 / air / clr / air / E180 (6mm/6mm/6mm) - 44mm IG											
	0.224	0.500	0.224	0.500	0.223			AIR	0.042(#2) / 0.068(#5)	CL	SS-D	N
	U-Factor 0.26			SHGC (N) 0.23				VT (N) 0.38		CR 66		

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SECTION 6 (Continued)

SIMULATION RESULTS

TOTAL PRODUCT CALCULATIONS (EWS 75 OW Awning)												
Option Number	Pane Thickness 1 (in)	Gap Width 1 (in)	Pane Thickness 2 (in)	Gap Width 2 (in)	Pane Thickness 3 (in)	Gap Width 3 (in)	Pane Thickness 4 (in)	Gap Fill	Low-e (Surface #)	Tint	Spacer	Grid Type
	U-Factor (Btu/Hr-Ft2-F)			Solar Heat Gain Coefficient (SHGC) Grids (None / <1 / >=1)				Visible Transmittance (VT) Grids (None / <1 / >=1)		Condensation Resistance (CR)		
11	E366 / arg90 / clr / arg90 / i89 (6mm/6mm/6mm) - 44mm IG											
	0.224	0.500	0.224	0.500	0.223			ARG90	0.020(#2) / 0.149(#6)	CL	SS-D	N
	U-Factor 0.26			SHGC (N) 0.16				VT (N) 0.35		CR 58		
12	SNX 62/27 / arg90 / clr (6mm/6mm) - 25mm IG											
	0.221	0.500	0.221					ARG90	0.020(#2)	CL	ZF-S	N
	U-Factor 0.32			SHGC (N) 0.17				VT (N) 0.39		CR 60		
13	SNX 62/27 / air / clr (6mm/6mm) - 25mm IG											
	0.221	0.500	0.221					AIR	0.020(#2)	CL	ZF-S	N
	U-Factor 0.35			SHGC (N) 0.18				VT (N) 0.39		CR 57		
14	SN68 / arg90 / clr (6mm/6mm) - 25mm IG											
	0.221	0.500	0.221					ARG90	0.039(#2)	CL	ZF-S	N
	U-Factor 0.33			SHGC (N) 0.24				VT (N) 0.43		CR 60		
15	SNX 62/27 / arg90 / IS-20 (6mm/6mm) - 25mm IG											
	0.221	0.500	0.221					ARG90	0.020(#2) / 0.198(#4)	CL	ZF-S	N
	U-Factor 0.30			SHGC (N) 0.17				VT (N) 0.37		CR 50		
16	SN68 / arg90 / IS-20 (6mm/6mm) - 25mm IG											
	0.221	0.500	0.221					ARG90	0.039(#2) / 0.198(#4)	CL	ZF-S	N
	U-Factor 0.30			SHGC (N) 0.24				VT (N) 0.41		CR 50		
17	SNX 51/23 / air / clr (6mm/6mm) - 25mm IG											
	0.221	0.500	0.221					AIR	0.021(#2)	CL	A1-D	N
	U-Factor 0.40			SHGC (N) 0.16				VT (N) 0.32		CR 48		
18	SNX 51/23 / arg90 / clr (6mm/6mm) - 25mm IG											
	0.221	0.500	0.221					ARG90	0.021(#2)	CL	A1-D	N
	U-Factor 0.37			SHGC (N) 0.15				VT (N) 0.32		CR 51		
19	SNX 51/23 / air / IS-20 (6mm/6mm) - 25mm IG											
	0.221	0.500	0.221					AIR	0.021(#2) / 0.198(#4)	CL	A1-D	N
	U-Factor 0.36			SHGC (N) 0.15				VT (N) 0.31		CR 38		
20	SNX 51/23 / arg90 / IS-20 (6mm/6mm) - 25mm IG											
	0.221	0.500	0.221					ARG90	0.021(#2) / 0.198(#4)	CL	A1-D	N
	U-Factor 0.34			SHGC (N) 0.15				VT (N) 0.31		CR 41		