



			Thermal Performance								AAMA / WDMA / CSA101 / I.S.2 / A440			
			U-Factor			No Grids		Grids < 1"		TDL			Air Infiltration	Performance Class - Grade Design Pressure
			No Grids	<1" Grids	TDL Grids	SHG C	VT	SHG C	VT	SHG C	VT	CRF		
Legends Clad Series														
DHC200 (DR200)	Cardinal® LoE ² -270	.3043		.27	.50	.24	.44			57	.08 cfm/ft ²	LC-45 DP45		
	Cardinal® LoE ² -270 + LoE-i89	.2702		.26	.49	.24	.43			46				
DPC200 (DR200PW), DPC250 (EC200PW)	Clear	.4700		.58	.61	.52	.54			44	.03 cfm/ft ²	CW-60 DP60		
	Cardinal® LoE ² -270	.2900		.29	.52	.26	.47			59				
	Cardinal® LoE ² -270 + LoE-i89	.2600		.28	.51	.26	.45			48				
DHC300 (DR300)	Cardinal® LoE ² -270	.2926		.27	.50	.24	.44			57	.08 cfm/ft ²	LC-45 DP45		
	Cardinal® LoE ² -270 + LoE-i89	.2585		.26	.49	.24	.43			46				
DPC300 (DR300PW), DPC350 (EC300PW)	Clear	.4700		.58	.61	.52	.54			44	.03 cfm/ft ²	CW-60 DP60		
	Cardinal® LoE ² -270	.2900		.29	.52	.26	.47			59				
	Cardinal® LoE ² -270 + LoE-i89	.2600		.28	.51	.26	.45			48				
DHC250 (EC200)	Cardinal® LoE ² -270	.3067		.27	.50	.24	.44			57	.08 cfm/ft ²	LC-45 DP45		
	Cardinal® LoE ² -270 + LoE-i89	.2730		.26	.49	.24	.43			46				
DHC350 (EC300)	Cardinal® LoE ² -270	.2950		.27	.50	.24	.44			57	.08 cfm/ft ²	LC-45 DP45		
	Cardinal® LoE ² -270 + LoE-i89	.2612		.26	.49	.24	.43			46				
SKC200 (Classic)	Clear	.48		.59	.62	.53	.55			43	ASTM E330 - No glass breakage ASTM E547 - No water leakage			
	Cardinal® LoE ² -270	.30		.30	.53	.27	.47			57				
	Cardinal® LoE ² -270 + LoE-i89	.27		.29	.52	.26	.46			47				
SOC100 (Classic Sash Only)	Clear	.47		.58	.61	.52	.54			44				
	Cardinal® LoE ² -270	.29		.29	.52	.26	.47			59				
	Cardinal® LoE ² -270 + LoE-i89	.26		.28	.51	.26	.45			48				
CSC200 (C3000)	Cardinal® LoE ² -270	.35		.27	.49	.25	.44			56	<.01 cfm/ft ²	CW-70 DP70		
	Cardinal® LoE ² -270 + LoE-i89	.32		.27	.47	.25	.43			46				
	Removable Energy Panel ⁽¹⁾	.20		.24	.42	.22	.38			60				
CSC300 (C4000)	Cardinal® LoE ² -270	.33		.27	.49	.25	.44			57	<.01 cfm/ft ²	CW-70 DP70		
	Combafort E Plus	.30		.27	.47	.25	.43			46				
	Removable Energy Panel ⁽¹⁾	.19		.24	.42	.22	.38			61				
ANC200 (AW3000)	Cardinal® LoE ² -270	.35		.27	.49	.25	.44			54	<.01 cfm/ft ²	CW-70* DP70		
	Cardinal® LoE ² -270 + LoE-i89	.32		.27	.47	.25	.43			45				
ANC300 (AW4000)	Cardinal® LoE ² -270	.33		.27	.49	.25	.44			55	<.01 cfm/ft ²	CW-70* DP70		
	Cardinal® LoE ² -270 + LoE-i89	.31		.27	.47	.25	.43			45				
CPC200 (CP3000)	Cardinal® LoE ² -270	.31		.31	.57	.28	.50			46	<.01 cfm/ft ²	CW-70* DP70		
	Cardinal® LoE ² -270 + LoE-i89	.27		.31	.55	.28	.49			56				
CPC300 (CP4000)	Cardinal® LoE ² -270	.30		.31	.57	.28	.50			56	<.01 cfm/ft ²	CW-70* DP70		
	Cardinal® LoE ² -270 + LoE-i89	.26		.31	.55	.28	.49			46				
DSC300 (Versaframe)	Clear	.47		.64	.66	.57	.59			42	<.01 cfm/ft ²	CW-70 DP70		
	Cardinal® LoE ² -270	.29		.32	.57	.29	.51			56				
	Cardinal® LoE ² -270 + LoE-i89	.25		.31	.56	.28	.50			46				
Liberty All Wood Series														
DHW200 (L200) , DHW200SX1 (LRF200A) , DHW200SX2 (LRS200A), DHW200HX2 (LRS200H)	Clear	.45		.46	.56	.58	.50	.52	.44	.46	43	.14 cfm/ft ²	LC-40 DP40	
	Cardinal® LoE ² -270	.28		.33	.28	.51	.25	.45	.23	.39	58			
	Cardinal® LoE ² -270 + LoE-i89	.25		.30	.27	.49	.25	.43	.22	.38	48			
DPW200 (LPW200), DPW250 (EPW200)	Clear	.45		.47	.58	.60	.52	.54	.46	.47	45	<.01 cfm/ft ²	CW-40 DP40	
	Cardinal® LoE ² -270	.28		.33	.29	.52	.26	.46	.24	.41	60			
	Cardinal® LoE ² -270 + LoE-i89	.24		.30	.28	.51	.26	.45	.23	.40	49			
DHW300 (L300) , DHW300SX1 (LRF400) , DHW300SX2 (LRS400) , DHW300SX3 (LRS400RB) , DHW300HX2 (LRS500) , DHW300HX3 (LRS500RB)	Clear	.45		.46	.55	.58	.49	.51	.44	.45	43	.14 cfm/ft ²	LC-40 DP40	
	Cardinal® LoE ² -270	.28		.33	.28	.50	.25	.44	.22	.39	58			
	Cardinal® LoE ² -270 + LoE-i89	.25		.30	.27	.48	.24	.43	.22	.38	48			
DPW300 (LPW300), DPW350 (EPW300)	Clear	.45		.47	.58	.60	.52	.54	.46	.47	45	<.01 cfm/ft ²	CW-40 DP40	
	Cardinal® LoE ² -270	.28		.33	.29	.52	.26	.46	.24	.41	60			
	Cardinal® LoE ² -270 + LoE-i89	.25		.30	.28	.51	.26	.45	.23	.40	49			
DHW250 (EW200)	Cardinal® LoE ² -270	.28		.33	.28	.50	.25	.44	.22	.39	57	.14 cfm/ft ²	LC-40 DP40	
	Cardinal® LoE ² -270 + LoE-i89	.25		.31	.27	.49	.24	.43	.22	.38	47			
DHW350 (EW300)	Cardinal® LoE ² -270	.29		.33	.28	.49	.25	.44	.22	.38	57	.14 cfm/ft ²	LC-40 DP40	
	Cardinal® LoE ² -270 + LoE-i89	.26		.31	.27	.48	.24	.42	.22	.37	47			
SKW200 (Heritage) , SKW200SX2 (Presidential) , SKW200HX2 (Congressional)	Clear	.47		.49	.60	.62	.53	.55	.48	.49	45	ASTM E330 - No glass breakage ASTM E547 - No water leakage		
	Cardinal® LoE ² -270	.30		.35	.30	.54	.27	.48	.24	.42	58			
	Cardinal® LoE ² -270 + LoE-i89	.27		.32	.29	.52	.26	.46	.24	.41	48			
SOW100 (Heritage Sash Only)	Clear	.45		.47	.58	.60	.52	.54	.46	.47	45			
	Cardinal® LoE ² -270	.28		.33	.29	.52	.26	.46	.24	.41	60			
	Cardinal® LoE ² -270 + LoE-i89	.25		.30	.28	.51	.26	.45	.23	.40	49			
CSW300 (LC4000)	Clear	.44	.45	.46	.55	.57	.50	.51	.45	.46	43	.03 cfm/ft ²	CW-50 *	
	Cardinal® LoE ² -270	.28	.29	.32	.25	.46	.23	.41	.21	.37	58			
	Cardinal® LoE ² -270 + LoE-i89	.25	.26	.30	.24	.42	.22	.38	.20	.34	46			

Cardinal® LoE²-270 = 3 mm LoE²-270 (posion #2) / Argon / 3 mm Clear
 Cardinal® LoE²-270 + LoE-i89 = 3 mm LoE²-270 (posion #2) / Argon / 3 mm LoE-i89 (posion #4)
⁽¹⁾ Cardinal® LoE²-270 + LoE-i89 with 3 mm CS-72 (#6) Removable Energy Panel

SHGC - Solar Heat Gain Coefficient * CURRENTLY UNDER TESTING
 VT - Visible Transmittance
 CRF - Condensation Resistance Factor