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PRODUCT	GLAZING	No Grid				Qualifies for Energy Star				Flat or Contour Grids			Qualifies for Energy Star			
		U-Factor	SHGC	VT	CR	N	NC	SC	S	U-Factor	SHGC	VT	N	NC	SC	S
Awning	Clear	0.42	0.51	0.53	48					0.42	0.46	0.47				
	Low-E	0.30	0.27	0.46	54	X	X			0.30	0.25	0.41	X	X	X	X
	Low-E Argon	0.28	0.27	0.46	58	X	X			0.28	0.25	0.41	X	X	X	X
	Low-E 366	0.30	0.18	0.41	54	X	X	X	X	0.30	0.17	0.37	X	X	X	X
	Low-E 366 Argon	0.27	0.18	0.41	58	X	X	X	X	0.27	0.16	0.37	X	X	X	X
	Energy Saver	0.28	0.27	0.46	58	X	X			0.28	0.25	0.41	X	X	X	X
	Energy Saver Plus	0.27	0.18	0.41	58	X	X	X	X	0.27	0.16	0.37	X	X	X	X
	Energy Saver Max: Triple Glaze Low-E Argon	0.20	0.23	0.36	72	X	X	X	X	-	-	-				
	Energy Saver Max: Triple Glaze Low-E 366 Argon	0.19	0.16	0.29	73	X	X	X	X	-	-	-				
	Energy Saver Max K: Triple Glaze Low E Argon/Krypton	0.18	0.23	0.36	75	X	X	X	X	-	-	-				
	Energy Saver Max K: Triple Glaze Low E 366 Argon/Krypton	0.17	0.15	0.29	75	X	X	X	X	-	-	-				
	Energy Star Northern	0.28	0.27	0.46	58	X	X			0.28	0.25	0.41	X	X	X	X
	Energy Star North Central	0.28	0.27	0.46	58	X	X			0.28	0.25	0.41	X	X	X	X
	Energy Star South Central	0.30	0.18	0.41	54	X	X	X	X	0.30	0.17	0.37	X	X	X	X
Energy Star Southern	0.30	0.18	0.41	54	X	X	X	X	0.30	0.17	0.37	X	X	X	X	
Casement	Clear	0.41	0.51	0.53	45					0.41	0.46	0.47				
	Low-E	0.30	0.27	0.46	56	X	X			0.30	0.25	0.41	X	X	X	X
	Low-E Argon	0.27	0.27	0.46	59	X	X			0.27	0.25	0.41	X	X	X	X
	Low-E 366	0.30	0.18	0.41	56	X	X	X	X	0.30	0.17	0.37	X	X	X	X
	Low-E 366 Argon	0.27	0.18	0.41	59	X	X	X	X	0.27	0.16	0.37	X	X	X	X
	Energy Saver	0.27	0.27	0.46	59	X	X			0.27	0.25	0.41	X	X	X	X
	Energy Saver Plus	0.27	0.18	0.41	59	X	X	X	X	0.27	0.16	0.37	X	X	X	X
	Energy Saver Max: Triple Glaze Low-E Argon	0.20	0.23	0.36	72	X	X	X	X	-	-	-				
	Energy Saver Max: Triple Glaze Low-E 366 Argon	0.19	0.16	0.29	73	X	X	X	X	-	-	-				
	Energy Saver Max K: Triple Glaze Low E Argon/Krypton	0.17	0.23	0.36	75	X	X	X	X	-	-	-				
	Energy Saver Max K: Triple Glaze Low E 366 Argon/Krypton	0.17	0.15	0.29	75	X	X	X	X	-	-	-				
	Energy Star Northern	0.27	0.27	0.46	59	X	X			0.27	0.25	0.41	X	X	X	X
	Energy Star North Central	0.27	0.27	0.46	59	X	X			0.27	0.25	0.41	X	X	X	X
	Energy Star South Central	0.30	0.18	0.41	56	X	X	X	X	0.30	0.17	0.37	X	X	X	X
Energy Star Southern	0.30	0.18	0.41	56	X	X	X	X	0.30	0.17	0.37	X	X	X	X	
Double Hung	Clear	0.45	0.56	0.59	41					0.45	0.50	0.52				
	Low-E	0.33	0.30	0.51	51					0.33	0.27	0.45				
	Low-E Argon	0.30	0.30	0.51	54	X	X			0.30	0.27	0.45	X	X		
	Low-E 366	0.32	0.20	0.46	51				X	0.32	0.18	0.41				X
	Low-E 366 Argon	0.29	0.20	0.46	54	X	X	X	X	0.29	0.18	0.41	X	X	X	X
	Energy Saver	0.30	0.30	0.51	54	X	X			0.30	0.27	0.45	X	X		
	Energy Saver Plus	0.29	0.20	0.46	54	X	X	X	X	0.29	0.18	0.41	X	X	X	X
	Energy Saver Max: Triple Glaze Low-E Argon	0.23	0.25	0.40	65	X	X	X	X	-	-	-				
	Energy Saver Max: Triple Glaze Low-E 366 Argon	0.23	0.17	0.33	65	X	X	X	X	-	-	-				
	Energy Saver Max K: Triple Glaze Low E Argon/Krypton	0.20	0.25	0.40	68	X	X	X	X	-	-	-				
	Energy Saver Max K: Triple Glaze Low E 366 Argon/Krypton	0.20	0.17	0.33	68	X	X	X	X	-	-	-				
	Energy Star Northern	0.30	0.30	0.51	54	X	X			0.30	0.27	0.45	X	X		
	Energy Star North Central	0.30	0.30	0.51	54	X	X			0.30	0.27	0.45	X	X		
	Energy Star South Central	0.29	0.20	0.46	54	X	X	X	X	0.29	0.18	0.41	X	X	X	X
Energy Star Southern	0.32	0.20	0.46	51				X	0.32	0.18	0.41				X	
Double Hung Fixed	Clear	0.45	0.66	0.69	46					0.45	0.59	0.62				
	Low-E	0.31	0.35	0.60	56		X			0.31	0.32	0.54		X		
	Low-E Argon	0.28	0.35	0.60	59	X	X			0.28	0.31	0.54	X	X		
	Low-E 366	0.31	0.23	0.54	56		X	X	X	0.31	0.21	0.49		X	X	X
	Low-E 366 Argon	0.27	0.23	0.54	60	X	X	X	X	0.27	0.21	0.49	X	X	X	X
	Energy Saver	0.28	0.35	0.60	59	X	X			0.28	0.31	0.54	X	X		
	Energy Saver Plus	0.27	0.23	0.54	60	X	X	X	X	0.27	0.21	0.49	X	X	X	X
	Energy Saver Max: Triple Glaze Low-E Argon	0.19	0.29	0.48	71	X	X	X		-	-	-				
	Energy Saver Max: Triple Glaze Low-E 366 Argon	0.19	0.20	0.39	71	X	X	X	X	-	-	-				
	Energy Saver Max K: Triple Glaze Low E Argon/Krypton	0.16	0.29	0.48	75	X	X	X		-	-	-				
	Energy Saver Max K: Triple Glaze Low E 366 Argon/Krypton	0.15	0.20	0.39	75	X	X	X	X	-	-	-				
	Energy Star Northern	0.28	0.35	0.60	59	X	X			0.28	0.31	0.54	X	X		
	Energy Star North Central	0.28	0.35	0.60	59	X	X			0.28	0.31	0.54	X	X		
	Energy Star South Central	0.31	0.23	0.54	56		X	X	X	0.31	0.21	0.49		X	X	X
Energy Star Southern	0.31	0.23	0.54	56		X	X	X	0.31	0.21	0.49		X	X	X	
Fixed	Clear	0.46	0.70	0.73	44					0.46	0.63	0.65				
	Low-E	0.31	0.37	0.64	55					0.31	0.33	0.57				
	Low-E Argon	0.27	0.37	0.64	58	X	X			0.27	0.33	0.57	X	X		
	Low-E 366	0.30	0.24	0.57	55	X	X	X	X	0.30	0.22	0.51	X	X	X	X
	Low-E 366 Argon	0.26	0.24	0.57	59	X	X	X	X	0.26	0.22	0.51	X	X	X	X
	Energy Saver	0.27	0.37	0.64	58	X	X			0.27	0.33	0.57	X	X		
	Energy Saver Plus	0.26	0.24	0.57	59	X	X	X	X	0.26	0.22	0.51	X	X	X	X
	Energy Saver Max: Triple Glaze Low-E Argon	0.22	0.31	0.50	65	X	X			-	-	-				
	Energy Saver Max: Triple Glaze Low-E 366 Argon	0.22	0.21	0.41	66	X	X	X	X	-	-	-				
	Energy Saver Max K: Triple Glaze Low E Argon/Krypton	0.18	0.31	0.50	70	X	X			-	-	-				
	Energy Saver Max K: Triple Glaze Low E 366 Argon/Krypton	0.17	0.21	0.41	70	X	X	X	X	-	-	-				
	Energy Star Northern	0.27	0.37	0.64	58	X	X			0.27	0.33	0.57	X	X		
	Energy Star North Central	0.27	0.37	0.64	58	X	X			0.27	0.33	0.57	X	X		
	Energy Star South Central	0.30	0.24	0.57	55	X	X	X	X	0.30	0.22	0.51	X	X	X	X
Energy Star Southern	0.30	0.24	0.57	55	X	X	X	X	0.30	0.22	0.51	X	X	X	X	

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Horizontal Slider To Match DH	Clear	0.45	0.56	0.59	42					0.45	0.50	0.52				
	Low-E	0.33	0.30	0.51	51					0.33	0.27	0.45				
	Low-E Argon	0.30	0.30	0.51	54	X	X			0.30	0.27	0.45	X	X		
	Low-E 366	0.32	0.20	0.46	52				X	0.32	0.18	0.41				X
	Low-E 366 Argon	0.29	0.20	0.46	54	X	X	X	X	0.29	0.18	0.41	X	X	X	X
	Energy Saver	0.30	0.30	0.51	54	X	X			0.30	0.27	0.45	X	X		
	Energy Saver Plus	0.29	0.20	0.46	54	X	X	X	X	0.29	0.18	0.41	X	X	X	X
	Energy Saver Max: Triple Glaze Low-E Argon	0.23	0.25	0.40	65	X	X	X	X	-	-	-				
	Energy Saver Max: Triple Glaze Low-E 366 Argon	0.23	0.17	0.33	65	X	X	X	X	-	-	-				
	Energy Saver Max K: Triple Glaze Low E Argon/Krypton	0.20	0.25	0.40	68	X	X	X	X	-	-	-				
	Energy Saver Max K: Triple Glaze Low E 366 Argon/Krypton	0.20	0.17	0.33	68	X	X	X	X	-	-	-				
	Energy Star Northern	0.30	0.30	0.51	54	X	X			0.30	0.27	0.45	X	X		
	Energy Star North Central	0.30	0.30	0.51	54	X	X			0.30	0.27	0.45	X	X		
	Energy Star South Central	0.29	0.20	0.46	54	X	X	X	X	0.29	0.18	0.41	X	X	X	X
	Energy Star Southern	0.32	0.20	0.46	52				X	0.32	0.18	0.41				X
Horizontal Slider To Match SH	Clear	0.47	0.62	0.65	43					0.47	0.56	0.58				
	Low-E	0.33	0.33	0.57	53					0.33	0.30	0.50				
	Low-E Argon	0.30	0.33	0.57	56	X	X			0.30	0.30	0.50	X	X		
	Low-E 366	0.33	0.22	0.51	53				X	0.33	0.20	0.45				X
	Low-E 366 Argon	0.29	0.22	0.51	56	X	X	X	X	0.29	0.20	0.45	X	X	X	X
	Energy Saver	0.30	0.33	0.57	56	X	X			0.30	0.30	0.50	X	X		
	Energy Saver Plus	0.29	0.22	0.51	56	X	X	X	X	0.29	0.20	0.45	X	X	X	X
	Energy Saver Max: Triple Glaze Low-E Argon	0.25	0.28	0.46	63	X	X			-	-	-				
	Energy Saver Max: Triple Glaze Low-E 366 Argon	0.24	0.19	0.37	64	X	X	X	X	-	-	-				
	Energy Saver Max K: Triple Glaze Low E Argon/Krypton	0.20	0.28	0.46	67	X	X			-	-	-				
	Energy Saver Max K: Triple Glaze Low E 366 Argon/Krypton	0.20	0.19	0.37	67	X	X	X	X	-	-	-				
	Energy Star Northern	0.30	0.33	0.57	56	X	X			0.30	0.30	0.50	X	X		
	Energy Star North Central	0.30	0.33	0.57	56	X	X			0.30	0.30	0.50	X	X		
	Energy Star South Central	0.29	0.22	0.51	56	X	X	X	X	0.29	0.20	0.45	X	X	X	X
	Energy Star Southern	0.33	0.22	0.51	53				X	0.33	0.20	0.45				X
Sidelite or Transom	Clear	0.45	0.59	0.62	44					0.45	0.53	0.55				
	Low-E	0.32	0.32	0.54	55					0.32	0.28	0.48				
	Low-E Argon	0.29	0.31	0.53	58	X	X			0.29	0.28	0.47	X	X		
	Low-E 366	0.31	0.21	0.48	56					0.31	0.19	0.43				
	Low-E 366 Argon	0.28	0.21	0.48	59	X	X	X	X	0.28	0.19	0.43	X	X	X	X
	Energy Saver	0.29	0.31	0.53	58	X	X			0.29	0.28	0.47	X	X		
	Energy Saver Plus	0.28	0.21	0.48	59	X	X	X	X	0.28	0.19	0.43	X	X	X	X
	Energy Saver Max: Triple Glaze Low-E Argon	0.24	0.26	0.43	65	X	X			-	-	-				
	Energy Saver Max: Triple Glaze Low-E 366 Argon	0.24	0.18	0.34	66	X	X	X	X	-	-	-				
	Energy Saver Max K: Triple Glaze Low E Argon/Krypton	0.20	0.26	0.43	70	X	X			-	-	-				
	Energy Saver Max K: Triple Glaze Low E 366 Argon/Krypton	0.20	0.18	0.34	70	X	X	X	X	-	-	-				
	Energy Star Northern	0.29	0.31	0.53	58	X	X			0.29	0.28	0.47	X	X		
	Energy Star North Central	0.29	0.31	0.53	58	X	X			0.29	0.28	0.47	X	X		
	Energy Star South Central	0.28	0.21	0.48	59	X	X	X	X	0.28	0.19	0.43	X	X	X	X
	Energy Star Southern	0.28	0.21	0.48	59	X	X	X	X	0.28	0.19	0.43	X	X	X	X
Single Hung	Clear	0.46	0.62	0.65	43					0.46	0.56	0.58				
	Low-E	0.33	0.33	0.57	53					0.33	0.30	0.50				
	Low-E Argon	0.29	0.33	0.57	56	X	X			0.29	0.30	0.50	X	X		
	Low-E 366	0.32	0.22	0.51	53					0.32	0.20	0.45				
	Low-E 366 Argon	0.29	0.22	0.51	57	X	X	X	X	0.29	0.20	0.45	X	X	X	X
	Energy Saver	0.29	0.33	0.57	56	X	X			0.29	0.30	0.50	X	X		
	Energy Saver Plus	0.29	0.22	0.51	57	X	X	X	X	0.29	0.20	0.45	X	X	X	X
	Energy Saver Max: Triple Glaze Low-E Argon	0.24	0.28	0.46	65	X	X			-	-	-				
	Energy Saver Max: Triple Glaze Low-E 366 Argon	0.24	0.19	0.37	65	X	X	X	X	-	-	-				
	Energy Saver Max K: Triple Glaze Low E Argon/Krypton	0.20	0.28	0.46	68	X	X			-	-	-				
	Energy Saver Max K: Triple Glaze Low E 366 Argon/Krypton	0.20	0.19	0.37	68	X	X	X	X	-	-	-				
	Energy Star Northern	0.29	0.33	0.57	56	X	X			0.29	0.30	0.50	X	X		
	Energy Star North Central	0.29	0.33	0.57	56	X	X			0.29	0.30	0.50	X	X		
	Energy Star South Central	0.29	0.22	0.51	57	X	X	X	X	0.29	0.20	0.45	X	X	X	X
	Energy Star Southern	0.32	0.22	0.51	53				X	0.32	0.20	0.45		X	X	X

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Sliding Patio Door PG 20 - Narrow Stile	Clear	0.46	0.62	0.65	42					0.46	0.55	0.57				
	Low-E	0.33	0.33	0.57	52					0.33	0.30	0.50				
	Low-E Argon	0.29	0.33	0.57	54	X	X			0.29	0.29	0.50	X	X		
	Low-E 366	0.32	0.22	0.52	52					0.32	0.20	0.45				
	Low-E 366 Argon	0.29	0.22	0.52	55	X	X	X	X	0.29	0.20	0.45	X	X	X	X
	Low-E 270, Internal Blinds	0.35	0.27	0.49	47					-	-	-				
	Low-E 270 with i81, Internal Blinds	0.29	0.24	0.44	36	X	X	X	X	-	-	-				
	Energy Saver	0.29	0.33	0.57	54	X	X			0.29	0.29	0.50	X	X		
	Energy Saver Plus	0.29	0.22	0.52	55	X	X	X	X	0.29	0.20	0.45	X	X	X	X
	Energy Saver Max: Triple Glaze Low-E Argon	0.25	0.28	0.46	61	X	X			-	-	-				
	Energy Saver Max: Triple Glaze Low-E 366 Argon	0.24	0.19	0.37	62	X	X	X	X	-	-	-				
	Energy Saver Max K: Triple Glaze Low E Argon/Krypton	0.20	0.28	0.46	64	X	X			-	-	-				
	Energy Saver Max K: Triple Glaze Low E 366 Argon/Krypton	0.20	0.19	0.37	64	X	X	X	X	-	-	-				
	Energy Star Northern	0.29	0.33	0.57	54	X	X			0.29	0.29	0.50	X	X		
	Energy Star North Central	0.29	0.33	0.57	54	X	X			0.29	0.29	0.50	X	X		
	Energy Star South Central	0.29	0.22	0.52	55	X	X	X	X	0.29	0.20	0.45	X	X	X	X
Energy Star Southern	0.29	0.22	0.52	55	X	X	X	X	0.29	0.20	0.45	X	X	X	X	
Sliding Patio Door PG 35/50 - Narrow Stile	Clear	0.46	0.62	0.65	42					0.46	0.55	0.57				
	Low-E	0.33	0.33	0.57	52					0.33	0.30	0.50				
	Low-E Argon	0.29	0.33	0.57	54	X	X			0.29	0.29	0.50	X	X		
	Low-E 366	0.32	0.22	0.52	52					0.32	0.20	0.45				
	Low-E 366 Argon	0.29	0.22	0.52	55	X	X	X	X	0.29	0.20	0.45	X	X	X	X
	Low-E 270, Internal Blinds	0.35	0.27	0.49	47					-	-	-				
	Low-E 270 with i81, Internal Blinds	0.29	0.24	0.44	36	X	X	X	X	-	-	-				
	Energy Saver	0.29	0.33	0.57	54	X	X			0.29	0.29	0.50	X	X		
	Energy Saver Plus	0.29	0.22	0.52	55	X	X	X	X	0.29	0.20	0.45	X	X	X	X
	Energy Saver Max: Triple Glaze Low-E Argon	0.25	0.28	0.46	61	X	X	X	X	-	-	-				
	Energy Saver Max: Triple Glaze Low-E 366 Argon	0.24	0.19	0.37	62	X	X	X	X	-	-	-				
	Energy Saver Max K: Triple Glaze Low E Argon/Krypton	0.20	0.28	0.46	64	X	X	X	X	-	-	-				
	Energy Saver Max K: Triple Glaze Low E 366 Argon/Krypton	0.20	0.19	0.37	64	X	X	X	X	-	-	-				
	Energy Star Northern	0.29	0.33	0.57	54	X	X			0.29	0.29	0.50	X	X		
	Energy Star North Central	0.29	0.33	0.57	54	X	X			0.29	0.29	0.50	X	X		
	Energy Star South Central	0.29	0.22	0.52	55	X	X	X	X	0.29	0.20	0.45	X	X	X	X
Energy Star Southern	0.29	0.22	0.52	55	X	X	X	X	0.29	0.20	0.45	X	X	X	X	
Sliding Patio Door PG 20 - Wide Stile	Clear	0.47	0.55	0.58	42					0.47	0.48	0.50				
	Low-E	0.34	0.30	0.51	51					0.34	0.26	0.44				
	Low-E Argon	0.31	0.30	0.51	54					0.31	0.26	0.44				
	Low-E 366	0.34	0.20	0.46	52					0.34	0.18	0.40				
	Low-E 366 Argon	0.30	0.20	0.46	54	X	X	X	X	0.30	0.17	0.40	X	X	X	X
	Low-E 270, Internal Blinds	0.35	0.27	0.49	47					-	-	-				
	Low-E 270 with i81, Internal Blinds	0.29	0.24	0.44	36	X	X	X	X	-	-	-				
	Energy Saver	0.31	0.30	0.51	54					0.31	0.26	0.44				
	Energy Saver Plus	0.30	0.20	0.46	54	X	X	X	X	0.30	0.17	0.40	X	X	X	X
	Energy Saver Max: Triple Glaze Low-E Argon	0.27	0.25	0.40	60	X	X	X	X	-	-	-				
	Energy Saver Max: Triple Glaze Low-E 366 Argon	0.26	0.17	0.33	60	X	X	X	X	-	-	-				
	Energy Saver Max K: Triple Glaze Low E Argon/Krypton	0.23	0.25	0.40	60	X	X	X	X	-	-	-				
	Energy Saver Max K: Triple Glaze Low E 366 Argon/Krypton	0.23	0.17	0.33	61	X	X	X	X	-	-	-				
	Energy Star Northern	0.30	0.30	0.51	57	X	X			0.30	0.26	0.44	X	X		
	Energy Star North Central	0.30	0.30	0.51	57	X	X			0.30	0.26	0.44	X	X		
	Energy Star South Central	0.30	0.20	0.46	54	X	X	X	X	0.30	0.17	0.40	X	X	X	X
Energy Star Southern	0.30	0.20	0.46	54	X	X	X	X	0.30	0.17	0.40	X	X	X	X	
Sliding Patio Door PG 35/50 - Wide Stile	Clear	0.47	0.55	0.58	42					0.47	0.48	0.50				
	Low-E	0.34	0.30	0.51	51					0.34	0.26	0.44				
	Low-E Argon	0.31	0.30	0.51	54					0.31	0.26	0.44				
	Low-E 366	0.34	0.20	0.46	52					0.34	0.18	0.40				
	Low-E 366 Argon	0.30	0.20	0.46	54	X	X	X	X	0.30	0.17	0.40	X	X	X	X
	Low-E 270, Internal Blinds	0.35	0.27	0.49	47					-	-	-				
	Low-E 270 with i81, Internal Blinds	0.29	0.24	0.44	36	X	X	X	X	-	-	-				
	Energy Saver	0.31	0.30	0.51	54					0.31	0.26	0.44				
	Energy Saver Plus	0.30	0.20	0.46	54	X	X	X	X	0.30	0.17	0.40	X	X	X	X
	Energy Saver Max: Triple Glaze Low-E Argon	0.27	0.25	0.40	60	X	X	X	X	-	-	-				
	Energy Saver Max: Triple Glaze Low-E 366 Argon	0.26	0.17	0.33	60	X	X	X	X	-	-	-				
	Energy Saver Max K: Triple Glaze Low E Argon/Krypton	0.23	0.25	0.40	61	X	X	X	X	-	-	-				
	Energy Saver Max K: Triple Glaze Low E 366 Argon/Krypton	0.23	0.17	0.33	61	X	X	X	X	-	-	-				
	Energy Star Northern	0.30	0.30	0.51	57	X	X			0.30	0.26	0.44	X	X		
	Energy Star North Central	0.30	0.30	0.51	57	X	X			0.30	0.26	0.44	X	X		
	Energy Star South Central	0.30	0.20	0.46	54	X	X	X	X	0.30	0.17	0.40	X	X	X	X
Energy Star Southern	0.30	0.20	0.46	54	X	X	X	X	0.30	0.17	0.40	X	X	X	X	