Thermal Performance Data

TELESCOPING SLIDING PATIO DOOR - ALUMINUM CLAD w/ALUMINUM SILL [c]

Product Type	GLAZING OPTIONS		NFRC MODEL SIZE 79" x 79" [2007mm x 2007mm] TOTAL UNIT CALCULATIONS[a]				ENERGY STAR[b]
	Glazing Thickness	Glazing Type	U-Value	R-Value	Solar Heat Gain Co-efficient	Visible Light Transmittance	
Without Grilles	3/4	Insul	0.47	2.13	0.48	0.50	
	3/4	Insul Low E^2	0.37	2.70	0.26	0.44	NC, SC, S
	3/4	Insul Low E^2 w/Argon Gas	0.34	2.94	0.26	0.44	N, NC, SC, S
	3/4	Insul Low E^2 w/Krypton/Argon Gas	0.33	3.03	0.26	0.44	N, NC, SC, S
	3/4	Insul Low E Sun 145	0.38	2.63	0.22	0.28	NC, SC, S
	3/4	Insul Low E Sun 145 w/Argon Gas	0.35	2.86	0.22	0.28	N, NC, SC, S
	3/4	Insul Low E Sun 145 w/Krypton/Argon Gas	0.35	2.86	0.22	0.28	N, NC, SC, S
With 5/8" Flat Grilles in Airspace	3/4	Insul	0.47	2.13	0.42	0.43	
	3/4	Insul Low E^2	0.37	2.70	0.23	0.38	NC, SC, S
	3/4	Insul Low E^2 w/Argon Gas	0.34	2.94	0.23	0.38	N, NC, SC, S
	3/4	Insul Low E^2 w/Krypton/Argon Gas	0.33	3.03	0.23	0.38	N, NC, SC, S
	3/4	Insul Low E Sun 145	0.38	2.63	0.20	0.24	NC, SC, S
	3/4	Insul Low E Sun 145 w/Argon Gas	0.35	2.86	0.19	0.24	N, NC, SC, S
	3/4	Insul Low E Sun 145 w/Krypton/Argon Gas	0.35	2.86	0.19	0.24	N, NC, SC, S
With 11/16" or 15/16" Sculptured Grilles in Airspace	3/4	Insul	0.48	2.08	0.42	0.43	
	3/4	Insul Low E^2	0.39	2.56	0.23	0.38	NC, SC, S
	3/4	Insul Low E^2 w/Argon Gas	0.36	2.78	0.23	0.38	NC, SC, S
	3/4	Insul Low E^2 w/Krypton/Argon Gas	0.34	2.94	0.23	0.38	N, NC, SC, S
	3/4	Insul Low E Sun 145	0.40	2.50	0.20	0.24	NC, SC, S
	3/4	Insul Low E Sun 145 w/Argon Gas	0.37	2.70	0.19	0.24	NC, SC, S
	3/4	Insul Low E Sun 145 w/Krypton/Argon Gas	0.36	2.78	0.19	0.24	NC, SC, S
Simulated Divided Lite[d]	3/4	Insul	0.48	2.08	0.42	0.43	
	3/4	Insul Low E^2	0.39	2.56	0.23	0.38	NC, SC, S
	3/4	Insul Low E^2 w/Argon Gas	0.36	2.78	0.23	0.38	NC, SC, S
	3/4	Insul Low E^2 w/Krypton/Argon Gas	0.34	2.94	0.23	0.38	N, NC, SC, S
	3/4	Insul Low E Sun 145	0.40	2.50	0.20	0.24	NC, SC, S
	3/4	Insul Low E Sun 145 w/Argon Gas	0.37	2.70	0.19	0.24	NC, SC, S
	3/4	Insul Low E Sun 145 w/Krypton/Argon Gas	0.36	2.78	0.19	0.24	NC, SC, S

[a] Total Unit Calculations U- & R-Values are derived from computer simulations using the WINDOW 5.2 and THERM 5.2 programs. Simulations are then verified by testing in accordance with NFRC 100-01.

[b] ENERGY STAR performance criteria is based on total unit calculations for NFRC model sizes:

ZONE	U-VALUE	SHGC
N=Northern	0.35 and below	Any
NC=North/Central	0.40 and below	0.55 and below
SC=South/Central	0.40 and below	0.40 and below
S=Southern	0.65 and below	0.40 and below

- Products meeting all zone requirements (U-Value of 0.35 and below as well as SHGC of 0.40 and below) will receive ENERGY STAR labels.
- The effectiveness of an inert gas will be eliminated in window and door products ordered and/or manufactured with capillary tubes. U-values for units manufactured with an inert gas and capillary tubes will reflect air values versus argon or krypton/argon gas values.

[c] Window unit thermal performance data was calculated using "Warm-Edge I Spacer".

[d] Simulated Divided Lite units are calculated with grilles in airspace.

TELESCOPING SLIDING PATIO DOOR - ALUMINUM CLAD w/FIBERGLASS SILL [c]

Product Type	GLAZING OPTIONS		NFRC MODEL SIZE 79" x 79" [2007mm x 2007mm] TOTAL UNIT CALCULATIONS[a]				ENERGY STAR[b]
	Glazing Thickness	Glazing Type	U-Value	R-Value	Solar Heat Gain Co-efficient	Visible Light Transmittance	
Without Grilles	3/	Insul	0.43	2.33	0.53	0.50	
	3/	Insul Low E^2	0.33	3.03	0.31	0.44	N, NC, SC, S
	3/	Insul Low E^2 w/Argon Gas	0.30	3.33	0.30	0.44	N, NC, SC, S
	3/	Insul Low E^2 w/Krypton/Argon Gas	0.30	3.33	0.30	0.44	N, NC, SC, S
	3/	Insul Low E Sun 145	0.34	2.94	0.27	0.28	N, NC, SC, S
	3/	Insul Low E Sun 145 w/Argon Gas	0.32	3.13	0.27	0.28	N, NC, SC, S
	3/	Insul Low E Sun 145 w/Krypton/Argon Gas	0.31	3.23	0.26	0.28	N, NC, SC, S
With 5/8" Flat Grilles in Airspace	3/	Insul	0.43	2.33	0.46	0.43	
	3/	Insul Low E^2	0.33	3.03	0.27	0.38	N, NC, SC, S
	3/	Insul Low E^2 w/Argon Gas	0.30	3.33	0.27	0.38	N, NC, SC, S
	3/	Insul Low E^2 w/Krypton/Argon Gas	0.30	3.33	0.27	0.38	N, NC, SC, S
	3/	Insul Low E Sun 145	0.34	2.94	0.24	0.24	N, NC, SC, S
	3/	Insul Low E Sun 145 w/Argon Gas	0.32	3.13	0.24	0.24	N, NC, SC, S
	3/	Insul Low E Sun 145 w/Krypton/Argon Gas	0.31	3.23	0.24	0.24	N, NC, SC, S
With 11/16" or 15/16" Sculptured Grilles in Airspace	3/	Insul	0.45	2.22	0.43	0.43	
	3/	Insul Low E^2	0.35	2.86	0.27	0.38	N, NC, SC, S
	3/	Insul Low E^2 w/Argon Gas	0.32	3.13	0.27	0.38	N, NC, SC, S
	3/	Insul Low E^2 w/Krypton/Argon Gas	0.31	3.23	0.27	0.38	N, NC, SC, S
	3/	Insul Low E Sun 145	0.36	2.78	0.24	0.24	NC, SC, S
	3/	Insul Low E Sun 145 w/Argon Gas	0.34	2.94	0.24	0.24	N, NC, SC, S
	3/	Insul Low E Sun 145 w/Krypton/Argon Gas	0.32	3.13	0.24	0.24	N, NC, SC, S
Simulated Divided Lite[d]	3/	Insul	0.43	2.33	0.46	0.43	
	3/	Insul Low E^2	0.33	3.03	0.27	0.38	N, NC, SC, S
	3/	Insul Low E^2 w/Argon Gas	0.30	3.33	0.27	0.38	N, NC, SC, S
	3/	Insul Low E^2 w/Krypton/Argon Gas	0.30	3.33	0.27	0.38	N, NC, SC, S
	3/	Insul Low E Sun 145	0.34	2.94	0.24	0.24	N, NC, SC, S
	3/	Insul Low E Sun 145 w/Argon Gas	0.32	3.13	0.24	0.24	N, NC, SC, S
	3/	Insul Low E Sun 145 w/Krypton/Argon Gas	0.31	3.23	0.24	0.24	N, NC, SC, S

[a] Total Unit Calculations U- & R-Values are derived from computer simulations using the WINDOW 5.2 and THERM 5.2 programs. Simulations are then verified by testing in accordance with NFRC 100-01.

[b] ENERGY STAR performance criteria is based on total unit calculations for NFRC model sizes:

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• Products meeting all zone requirements (U-Value of 0.35 and below as well as SHGC of 0.40 and below) will receive ENERGY STAR labels.

• The effectiveness of an inert gas will be eliminated in window and door products ordered and/or manufactured with capillary tubes. U-values for units manufactured with an inert gas and capillary tubes will reflect air values versus argon or krypton/argon gas values.

[c] Door unit thermal performance data was calculated using "Warm-Edge I Spacer".

[d] Simulated Divided Lite units are calculated with grilles in airspace.