



Thermal Specifications - Ringer Windows

SHGC = Solar Heat Gain Coefficient
U-Value = Cold Weather Resistance

Window Series	Clear/Clear (with Argon) No Low-E				270/Clear (with Argon) 2 Layers Low-E					* 366/Clear (with Argon) 3 Layers Low-E					340/Clear (with Argon) 3 Layers Darker Solar Control Low-E					452/Clear (with Argon) 3 Layers - TEXAS ULTIMATE					
	SHGC No Grids	SHGC W/Grids	U-Value (U.S./I-P)	VT No Grids	SHGC No Grids	SHGC W/Grids	U-Value (U.S./I-P)	U-Value (U.S./I-P) With i89 Did not Test	VT No Grids	SHGC No Grids	SHGC W/Grids	U-Value (U.S./I-P)	U-Value (U.S./I-P) With i89	VT No Grids	SHGC No Grids	SHGC W/Grids	U-Value (U.S./I-P)	U-Value (U.S./I-P) With i89	VT No Grids	SHGC No Grids	SHGC W/Grids	U-Value (U.S./I-P)	U-Value (U.S./I-P) With i89	VT No Grids	
Premium Elite 5400 Tilt-Sash Window																									
Double Hung	.60	.54	.45	.63	.29	.26	.30	N/A	.54	.21	.19	.30	.26	.49	.14	.13	.30	.26	.30	.17	.16	.30	.26	.40	
Single Hung	.63	.57	.46	.66	.30	.27	.30	N/A	.57	.22	.20	.30	.26	.52	.15	.14	.30	.26	.31	.18	.17	.30	.26	.42	
Single Slider & 3-Lite	.63	.56	.45	.66	.30	.27	.29	N/A	.56	.22	.20	.29	.25	.52	.15	.13	.29	.25	.31	.18	.16	.28	.24	.42	
Picture Window	.65	.59	.43	.69	.31	.28	.27	N/A	.59	.23	.21	.26	.22	.54	.15	.14	.26	.22	.32	.19	.17	.27	.22	.44	
Casement/Awn	.52	.47	.40	.54	.25	.23	.27	N/A	.46	.19	.17	.26	.23	.43	.12	.11	.27	.23	.26	.15	.14	.26	.23	.35	
Premium Non-Tilt Resolute 4200																									
Single Hung	.63	.57	.46	.66	.30	.27	.30	N/A	.57	.22	.20	.30	.26	.52	.15	.14	.30	.26	.31	.18	.16	.28	.25	.40	
Single Slider & 3-Lite	.63	.56	.45	.66	.30	.27	.29	N/A	.56	.22	.20	.29	.25	.52	.15	.13	.29	.25	.31	.18	.16	.29	.25	.40	
Picture Window	.65	.59	.43	.69	.31	.28	.27	N/A	.59	.23	.21	.26	.22	.54	.15	.14	.26	.22	.32	.19	.18	.25	.21	.45	
Performa 3300 Value Series Non-Tilt																									
Single Hung	.61	.55	.46	.64	.29	.27	.30	N/A	.55	.22	.20	.29	.26	.51	.15	.13	.30	.26	.30	.18	.16	.29	.25	.41	
Single Slider & 3 Lite	.61	.55	.46	.64	.29	.27	.30	N/A	.55	.22	.20	.29	.26	.51	.15	.13	.30	.26	.30	.18	.16	.29	.26	.41	
Picture Window	.69	.62	.44	.73	.33	.30	.26	N/A	.62	.25	.22	.26	.21	.57	.16	.15	.26	.22	.34	.20	.18	.25	.21	.46	

- * Our Cardinal Low-E 366 glass package is our most common glass option. It features very clear and bright views with unsurpassed efficiency that's designed to combat the hottest Texas weather. Ringer Windows has the capability to configure your windows with a finely tuned glass package that very specifically meets your needs. Just ask your consultant!
- All Glass is initially configured as double strength annealed (unless otherwise specified). Tempered Glass may be required or desired, but it has no effect on the thermal rating of the windows.
- SHGC = Solar Heat Gain Coefficient. The lower the SHGC, the more efficient the window in hotter weather. **This number measures how well your windows perform in hotter weather, which is key for Texas.**
- U-Value = This number represents how efficient your windows perform in cooler weather. **The lower the U-Value, the more efficient the window will be in cold weather.**

<h2>Physical Specifications - Ringer Windows</h2>	Minimum & Maximum Tested Sizes	Elite 5400 & Resolute 4200 & Performa 3300 are available in All 3 Colors	DP Ratings
	Color Options & Thickness of Frame		
	Soft White Almond Clay		

Elite 5400 Series & Resolute 4200 Series	Min Size	Max Size	DP Rating	Color Options & Frame Depth
† Double Hung	24" x 36"	48" x 72"	35	W - A - C 3.25"
Single Hung	18" x 28"	48" x 72"	40	W - A - C 3.25"
Single Slider	28" x 28"	72" x 60"	50	W - A - C 3.25"
3-Lite Slider	60" x 24"	96" x 48" or 84" x 60"	35	W - A - C 3.25"
Picture Window	18" x 18"	96" x 60"	35	W - A - C 3.25"
Casement	24" x 24"	36" x 84"	50	W - A - C 3.25"
Awning	24" x 24"	48" x 36"	50	W - A - C 3.25"

Performa 3300 Series	Min Size	Max Size	DP Rating	Color Options & Frame Depth
Single Hung	18" x 28"	48" x 72"	35	W - A - C 3"
Single Slider	24" x 24"	72" x 60"	35	W - A - C 3"
3-Lite Slider	60" x 24"	96" x 48" · 84" x 60"	35	W - A - C 3"
Picture Window	18" x 18"	72" x 72"	35	W - A - C 3"
Shapes	Call	Call	40	W - A - C 3"

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Notes: Larger or special windows may require Tempered or Thicker Glass - RW will advise individually. Ringer Windows may exceed posted recommended sizing with a signed waiver, at the sole discretion of Ringer Windows. Special Shaped Windows available on a limited basis, with all product lines. † Resolute not available in Double Hung. **Engineering & Test Data/Results on file at RW HQ.**