

Wincore 500 Series Thermal Performance Chart

ENERGY STAR v7.0

STYLE	CONFIGURATION	GLASS	REFO	GRIDS	U-Factor	R-Value	SHGC	VT	CR	Northern	North-Central	South-Central	Southern	
Double Hung	LE / CL	SS / SS	NO	NO	.30	3.38	.21	.51	54	NO	NO	NO	YES	
				YES	.30	3.38	.19	.45	54	NO	NO	NO	YES	
			A2	NO	.30	3.36	.21	.51	54	NO	NO	NO	YES	
				YES	.30	3.36	.19	.45	54	NO	NO	NO	YES	
			A6	NO	.31	3.26	.21	.51	54	NO	NO	NO	YES	
				YES	.31	3.26	.19	.45	54	NO	NO	NO	YES	
		A9	NO	.31	3.20	.21	.51	54	NO	NO	NO	YES		
			YES	.31	3.20	.19	.45	54	NO	NO	NO	YES		
		DS / DS	NO	NO	.29	3.45	.22	.50	53	NO	NO	NO	YES	
				YES	.29	3.45	.19	.45	53	NO	NO	NO	YES	
			A2	NO	.29	3.45	.22	.50	53	NO	NO	NO	YES	
				YES	.29	3.45	.19	.45	53	NO	NO	NO	YES	
			A6	NO	.30	3.33	.22	.50	53	NO	NO	NO	YES	
				YES	.30	3.33	.19	.45	53	NO	NO	NO	YES	
			A9	NO	.31	3.23	.22	.50	53	NO	NO	NO	YES	
				YES	.31	3.23	.19	.45	53	NO	NO	NO	YES	
			BZ / LE	NO	NO	.29	3.42	.24	.38	53	NO	NO	NO	NO
					YES	.29	3.42	.22	.33	53	NO	NO	NO	YES
	A2			NO	.29	3.39	.24	.38	53	NO	NO	NO	NO	
				YES	.29	3.39	.22	.33	53	NO	NO	NO	YES	
	A6	NO		.30	3.29	.24	.38	53	NO	NO	NO	NO		
		YES		.30	3.29	.22	.33	53	NO	NO	NO	YES		
	A9	NO	.31	3.23	.24	.38	53	NO	NO	NO	NO			
		YES	.31	3.23	.22	.33	53	NO	NO	NO	YES			
	GR / LE	NO	NO	.29	3.42	.23	.34	53	NO	NO	NO	YES		
			YES	.29	3.42	.21	.31	53	NO	NO	NO	YES		
		A2	NO	.29	3.39	.23	.34	53	NO	NO	NO	YES		
			YES	.29	3.39	.21	.31	53	NO	NO	NO	YES		
		A6	NO	.30	3.29	.23	.34	53	NO	NO	NO	YES		
			YES	.30	3.29	.21	.31	53	NO	NO	NO	YES		
	A9	NO	.31	3.23	.23	.34	53	NO	NO	NO	YES			
		YES	.31	3.23	.21	.31	53	NO	NO	NO	YES			
	LE / EP	SS / SS	NO	NO	.25	3.93	.21	.49	44	NO	YES	YES	YES	
				YES	.25	3.93	.19	.44	44	NO	YES	YES	YES	
			A2	NO	.26	3.89	.21	.49	43	NO	NO	YES	YES	
				YES	.26	3.89	.19	.44	43	NO	NO	YES	YES	
			A6	NO	.27	3.76	.21	.49	43	NO	NO	YES	YES	
				YES	.27	3.76	.19	.44	43	NO	NO	YES	YES	
		A9	NO	.27	3.68	.21	.49	43	NO	NO	YES	YES		
			YES	.27	3.68	.19	.44	43	NO	NO	YES	YES		
		DS / DS	NO	NO	.25	3.97	.21	.49	42	NO	YES	YES	YES	
				YES	.25	3.97	.19	.44	42	NO	YES	YES	YES	
			A2	NO	.25	3.93	.21	.49	42	NO	YES	YES	YES	
				YES	.25	3.93	.19	.44	42	NO	YES	YES	YES	

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STYLE	CONFIGURATION	GLASS	REFO	GRIDS	U-Factor	R-Value	SHGC	VT	CR	Northern	North-Central	South-Central	Southern	
Double Hung	LE / EP	DS / DS	A6	NO	.26	3.79	.21	.49	42	NO	NO	YES	YES	
				YES	.26	3.79	.19	.44	42	NO	NO	YES	YES	
			A9	NO	.27	3.71	.21	.49	42	NO	NO	YES	YES	
				YES	.27	3.71	.19	.44	42	NO	NO	YES	YES	
Horizontal Sliding Window	LE / CL	SS / SS	NO	NO	.29	3.43	.21	.49	55	NO	NO	NO	YES	
				YES	.29	3.43	.19	.43	55	NO	NO	NO	YES	
			A2	NO	.29	3.40	.21	.49	55	NO	NO	NO	YES	
				YES	.29	3.40	.19	.43	55	NO	NO	NO	YES	
		DS / DS	NO	NO	.29	3.46	.21	.48	55	NO	NO	NO	YES	
				YES	.29	3.46	.19	.43	55	NO	NO	NO	YES	
			A2	NO	.29	3.43	.21	.48	54	NO	NO	NO	YES	
				YES	.29	3.43	.19	.43	54	NO	NO	NO	YES	
	BZ / LE	DS / DS	NO	NO	.29	3.46	.23	.36	55	NO	NO	NO	YES	
				YES	.29	3.46	.21	.32	55	NO	NO	NO	YES	
			A2	NO	.29	3.43	.23	.36	54	NO	NO	NO	YES	
				YES	.29	3.43	.21	.32	54	NO	NO	NO	YES	
	GR / LE	DS / DS	NO	NO	.29	3.46	.22	.33	55	NO	NO	NO	YES	
				YES	.29	3.46	.20	.29	55	NO	NO	NO	YES	
			A2	NO	.29	3.43	.22	.33	54	NO	NO	NO	YES	
				YES	.29	3.43	.20	.29	54	NO	NO	NO	YES	
	LE / EP	SS / SS	NO	NO	.25	3.93	.20	.47	44	NO	YES	YES	YES	
				YES	.25	3.93	.18	.42	44	NO	YES	YES	YES	
			A2	NO	.26	3.89	.20	.47	44	NO	NO	YES	YES	
				YES	.26	3.89	.18	.42	44	NO	NO	YES	YES	
DS / DS		NO	NO	.25	3.99	.20	.47	43	NO	YES	YES	YES		
			YES	.25	3.99	.18	.42	43	NO	YES	YES	YES		
		A2	NO	.27	3.66	.23	.55	61	NO	NO	YES	YES		
			YES	.27	3.66	.21	.49	61	NO	NO	YES	YES		
Picture	LE / CL	SS / SS	NO	NO	.27	3.71	.23	.54	60	NO	NO	YES	YES	
				YES	.27	3.71	.21	.48	60	NO	NO	YES	YES	
		DS / DS		NO	.28	3.54	.24	.53	57	NO	NO	NO	NO	
				YES	.30	3.37	.21	.48	57	NO	NO	NO	YES	
		BZ / LE		DS / DS	NO	.27	3.71	.26	.41	60	NO	NO	NO	NO
					YES	.27	3.71	.24	.36	60	NO	NO	NO	NO
	3S / 3S			NO	.28	3.54	.24	.35	57	NO	NO	NO	NO	
				YES	.30	3.37	.22	.31	57	NO	NO	NO	YES	
	GR / LE	DS / DS		NO	.27	3.71	.25	.37	60	NO	NO	NO	NO	
				YES	.27	3.71	.23	.33	60	NO	NO	YES	YES	
		3S / 3S		NO	.28	3.54	.22	.30	57	NO	NO	YES	YES	
				YES	.30	3.37	.20	.27	57	NO	NO	NO	YES	
	LE / EP	SS / SS		NO	.23	4.35	.23	.53	48	NO	YES	YES	YES	
				YES	.23	4.35	.21	.48	48	NO	YES	YES	YES	
		DS / DS		NO	.23	4.40	.23	.53	47	NO	YES	YES	YES	
				YES	.23	4.40	.21	.47	47	NO	YES	YES	YES	

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STYLE	CONFIGURATION	GLASS	REFO	GRIDS	U-Factor	R-Value	SHGC	VT	CR	Northern	North-Central	South-Central	Southern	
Picture	LE / EP	3S / 3S		NO	.24	4.17	.23	.52	44	NO	YES	YES	YES	
				YES	.25	3.98	.21	.47	44	NO	YES	YES	YES	
Sidelite	LE / CL	DS / DS	NO	NO	.30	3.33	.14	.31	60	NO	NO	NO	NO	
				YES	.30	3.33	.13	.28	60	NO	NO	NO	NO	
	BZ / LE			NO	.30	3.33	.16	.24	61	NO	NO	NO	NO	
				YES	.30	3.33	.14	.21	61	NO	NO	NO	NO	
	GR / LE			NO	.30	3.33	.15	.22	61	NO	NO	NO	NO	
				YES	.30	3.33	.14	.19	61	NO	NO	NO	NO	
	LE / EP			NO	.27	3.70	.14	.31	48	NO	NO	YES	YES	
				YES	.27	3.70	.12	.27	48	NO	NO	YES	YES	
	RLTBLC (LE270/Clear w/ Blinds)			NO	.35	2.86	.15	.25	62	NO	NO	NO	NO	
	RLTBLC (LE270/I89 w/ Blinds)			NO	.31	3.23	.14	.25	45	NO	NO	NO	NO	
	RLTBLC (LE366/Clear w/ Blinds)			NO	.35	2.89	.11	.23	62	NO	NO	NO	NO	
	RLTBLC (LE366/I89 w/ Blinds)			NO	.30	3.33	.11	.23	46	NO	NO	NO	NO	
Single Hung	LE / CL	SS / SS	A1	NO	.30	4.47	.22	.53	57	NO	NO	NO	YES	
				YES	.30	4.93	.20	.47	57	NO	NO	NO	YES	
			A2	NO	.30	4.47	.22	.53	57	NO	NO	NO	YES	
				YES	.30	4.93	.20	.47	57	NO	NO	NO	YES	
			A4	NO	.31	4.47	.22	.53	57	NO	NO	NO	YES	
				YES	.31	4.93	.20	.47	57	NO	NO	NO	YES	
		A9	NO	.31	4.47	.22	.53	57	NO	NO	NO	YES		
			YES	.31	4.93	.20	.47	57	NO	NO	NO	YES		
		DS / DS	A1	NO	.30	4.47	.22	.52	55	NO	NO	NO	YES	
				YES	.30	4.92	.20	.46	55	NO	NO	NO	YES	
			A2	NO	.30	4.47	.22	.52	56	NO	NO	NO	YES	
				YES	.30	4.92	.20	.46	56	NO	NO	NO	YES	
	A4		NO	.30	4.47	.22	.52	55	NO	NO	NO	YES		
			YES	.30	4.92	.20	.46	55	NO	NO	NO	YES		
	A9	NO	.30	4.47	.22	.52	55	NO	NO	NO	YES			
		YES	.30	4.92	.20	.46	55	NO	NO	NO	YES			
	BZ / LE	A1	NO	.30	4.00	.25	.39	55	NO	NO	NO	NO		
			YES	.30	4.35	.23	.35	55	NO	NO	NO	YES		
		A2	NO	.30	4.00	.25	.39	56	NO	NO	NO	NO		
			YES	.30	4.35	.23	.35	56	NO	NO	NO	YES		
		A4	NO	.30	4.00	.25	.39	55	NO	NO	NO	NO		
			YES	.30	4.35	.23	.35	55	NO	NO	NO	YES		
	A9	NO	.30	4.00	.25	.39	55	NO	NO	NO	NO			
		YES	.30	4.35	.23	.35	55	NO	NO	NO	YES			
GR / LE	A1	NO	.30	4.14	.24	.36	55	NO	NO	NO	NO			
		YES	.30	4.57	.22	.32	55	NO	NO	NO	YES			
	A2	NO	.30	4.14	.24	.36	56	NO	NO	NO	NO			
		YES	.30	4.57	.22	.32	56	NO	NO	NO	YES			
	A4	NO	.30	4.14	.24	.36	55	NO	NO	NO	NO			
		YES	.30	4.57	.22	.32	55	NO	NO	NO	YES			

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STYLE	CONFIGURATION	GLASS	REFO	GRIDS	U-Factor	R-Value	SHGC	VT	CR	Northern	North-Central	South-Central	Southern	
Single Hung	GR / LE	DS / DS	A9	NO	.30	4.14	.24	.36	55	NO	NO	NO	NO	
				YES	.30	4.57	.22	.32	55	NO	NO	NO	YES	
	LE / EP	SS / SS	A1	NO	.26	4.56	.22	.51	45	NO	NO	YES	YES	
				YES	.26	5.02	.20	.46	45	NO	NO	YES	YES	
			A2	NO	.26	4.56	.22	.51	45	NO	NO	YES	YES	
				YES	.26	5.02	.20	.46	45	NO	NO	YES	YES	
			A4	NO	.26	4.56	.22	.51	45	NO	NO	YES	YES	
				YES	.26	5.02	.20	.46	45	NO	NO	YES	YES	
		A9	NO	.27	4.56	.22	.51	45	NO	NO	YES	YES		
			YES	.27	5.02	.20	.46	45	NO	NO	YES	YES		
		DS / DS	A1	NO	.26	4.57	.22	.51	44	NO	NO	YES	YES	
				YES	.26	5.03	.20	.45	44	NO	NO	YES	YES	
			A2	NO	.26	4.57	.22	.51	44	NO	NO	YES	YES	
				YES	.26	5.03	.20	.45	44	NO	NO	YES	YES	
	A4		NO	.26	4.57	.22	.51	44	NO	NO	YES	YES		
			YES	.26	5.03	.20	.45	44	NO	NO	YES	YES		
	A9	NO	.26	4.57	.22	.51	44	NO	NO	YES	YES			
		YES	.26	5.03	.20	.45	44	NO	NO	YES	YES			
	Sliding Glass Door	LE / CL	DS / DS	E4	NO	.28	3.57	.20	.46	56	NO	NO	YES	YES
		BZ / LE			YES	.28	3.57	.18	.40	56	NO	NO	YES	YES
GR / LE					NO	.28	3.57	.23	.35	57	NO	NO	YES	YES
		YES			.28	3.57	.20	.30	57	NO	NO	YES	YES	
LE / EP		NO			.28	3.57	.21	.32	57	NO	NO	YES	YES	
		YES			.28	3.57	.19	.28	57	NO	NO	YES	YES	
RLTBLC (LE270/Clear w/ Blinds)		NO			.25	4.00	.20	.45	46	YES	YES	YES	YES	
RLTBLC (LE270/I89 w/ Blinds)		YES			.25	4.00	.17	.39	46	YES	YES	YES	YES	
RLTBLC (LE366/Clear w/ Blinds)		NO			.35	2.86	.24	.44	57	NO	NO	NO	NO	
RLTBLC (LE366/I89 w/ Blinds)		NO			.29	3.45	.23	.43	43	NO	NO	NO	NO	
NO	.34	2.94	.18	.41	57	NO	NO	NO	NO					
NO	.29	3.45	.17	.40	44	NO	NO	NO	NO					
Transom	LE / CL	NO	NO	.27	3.70	.22	.53	60	NO	NO	YES	YES		
			YES	.27	3.70	.20	.47	60	NO	NO	YES	YES		
	BZ / LE		NO	.27	3.70	.25	.40	60	NO	NO	NO	NO		
			YES	.27	3.70	.23	.36	60	NO	NO	YES	YES		
	GR / LE		NO	.27	3.70	.24	.36	60	NO	NO	NO	NO		
			YES	.27	3.70	.22	.32	60	NO	NO	YES	YES		
	LE / EP		NO	.23	4.35	.22	.52	48	NO	YES	YES	YES		
			YES	.23	4.35	.20	.46	48	NO	YES	YES	YES		

ADDITIONAL NOTES

> For Turtle Glass, utilize GR-LE glass configuration (Gray Tint - Low E)

> Energy Star Certification status is based upon Energy Star Version 7, effective 10/23/2023

> To determine the applicable Energy Star Climate Zone, please visit:

https://www.energystar.gov/products/building_products/residential_windows_doors_and_skylights/climate_zone/search