



## WOOD INTERIOR w/ ALUMINUM EXTERIOR WINDOWS & DOORS

These in-house thermal simulations are provided as a service to our customer. All shaded values are NFRC certified. All simulations are based on NFRC test sizes with no grills.

Product Name	Pane Thickness	IG Thickness	Glass Type (no dividers, Super spacer)	U-Value	SHGC	VT	CR	Energy Star Ver6			
								Qualifying Zones			
								N	NC	SC	S
BRIGHTON AWNING	1/8"	3/4"	180 - argon - i89 (Energy North)	0.29	0.42	0.51	43	Y	N	N	N
	1/8"	3/4"	272 - argon - clear (Energy Basic)	0.31	0.28	0.47	56	N	N	N	N
	1/8"	3/4"	272 - argon - i89 (Energy Plus)	0.28	0.27	0.46	44	N	Y	N	N
	1/8"	3/4"	366 - argon - clear (Energy 3S)	0.31	0.19	0.42	56	N	N	N	Y
	1/8"	3/4"	366 - argon - i89 (Energy Max)	0.28	0.18	0.42	44	N	Y	Y	Y
BRIGHTON CASEMENT	1/8"	3/4"	180 - argon - i89 (Energy North)	0.29	0.42	0.51	44	Y	N	N	N
	1/8"	3/4"	272 - argon - clear (Energy Basic)	0.32	0.28	0.47	57	N	N	N	N
	1/8"	3/4"	272 - argon - i89 (Energy Plus)	0.28	0.28	0.46	45	N	Y	N	N
	1/8"	3/4"	366 - argon - clear (Energy 3S)	0.31	0.19	0.42	58	N	N	N	Y
	1/8"	3/4"	366 - argon - i89 (Energy Max)	0.28	0.18	0.42	46	N	Y	Y	Y
BRIGHTON CASEMENT PICTURE WINDOW	1/8"	3/4"	180 - argon - i89 (Energy North)	0.25	0.49	0.60	44	Y	N	N	N
	1/8"	3/4"	272 - argon - clear (Energy Basic)	0.29	0.33	0.56	57	N	Y	N	N
	1/8"	3/4"	272 - argon - i89 (Energy Plus)	0.25	0.32	0.55	45	Y	Y	N	N
	1/8"	3/4"	366 - argon - clear (Energy 3S)	0.28	0.22	0.50	57	N	Y	Y	Y
	1/8"	3/4"	366 - argon - i89 (Energy Max)	0.25	0.21	0.49	45	Y	Y	Y	Y
BRIGHTON DIRECT SET PICTURE WINDOW	1/8"	1"	180 - argon - i89 (Energy North)	0.24	0.56	0.69	47	Y	N	N	N
	1/8"	1"	272 - argon - clear (Energy Basic)	0.28	0.37	0.64	59	Y	Y	N	N
	1/8"	1"	272 - argon - i89 (Energy Plus)	0.23	0.36	0.62	47	Y	Y	N	N
	1/8"	1"	366 - argon - clear (Energy 3S)	0.28	0.24	0.57	60	N	Y	Y	Y
	1/8"	1"	366 - argon - i89 (Energy Max)	0.23	0.24	0.56	48	Y	Y	Y	Y
BRIGHTON DOUBLE HUNG	1/8"	3/4"	180 - argon - i89 (Energy North)	0.28	0.43	0.53	43	Y	N	N	N
	1/8"	3/4"	272 - argon - clear (Energy Basic)	0.31	0.29	0.49	55	N	N	N	N
	1/8"	3/4"	272 - argon - i89 (Energy Plus)	0.28	0.28	0.48	44	N	Y	N	N
	1/8"	3/4"	366 - argon - clear (Energy 3S)	0.31	0.19	0.44	56	N	N	N	Y
	1/8"	3/4"	366 - argon - i89 (Energy Max)	0.27	0.19	0.43	45	Y	Y	Y	Y
BRIGHTON DOUBLE HUNG PICTURE WINDOW	1/8"	3/4"	180 - argon - i89 (Energy North)	0.26	0.48	0.59	45	Y	N	N	N
	1/8"	3/4"	272 - argon - clear (Energy Basic)	0.29	0.32	0.54	58	N	Y	N	N
	1/8"	3/4"	272 - argon - i89 (Energy Plus)	0.25	0.31	0.53	46	Y	Y	N	N
	1/8"	3/4"	366 - argon - clear (Energy 3S)	0.28	0.21	0.49	59	N	Y	Y	Y
	1/8"	3/4"	366 - argon - i89 (Energy Max)	0.25	0.21	0.48	46	Y	Y	Y	Y
BRIGHTON FRENCH RAIL SLIDING DOOR	1/8"	3/4"	180 - argon - i89 (Energy North)	0.29	0.34	0.41	47	Y	Y	N	N
	1/8"	3/4"	272 - argon - clear (Energy Basic)	0.31	0.23	0.38	61	N	N	N	Y
	1/8"	3/4"	272 - argon - i89 (Energy Plus)	0.28	0.23	0.38	48	Y	Y	Y	Y
	1/8"	3/4"	366 - argon - clear (Energy 3S)	0.31	0.16	0.35	62	N	N	N	Y
	1/8"	3/4"	366 - argon - i89 (Energy Max)	0.28	0.15	0.34	48	Y	Y	Y	Y
BRIGHTON INSWING DOOR (FULL LITE WITH 8" BOTTOM RAIL AND STANDARD SILL)	1/8"	3/4"	272 - argon - clear (Energy Basic)	0.31	0.24	0.40	61	N	N	N	Y
	1/8"	3/4"	272 - argon - i89 (Energy Plus)	0.28	0.23	0.39	48	Y	Y	Y	Y
	1/8"	3/4"	366 - argon - clear (Energy 3S)	0.30	0.16	0.36	62	Y	Y	Y	Y
	1/8"	3/4"	366 - argon - i89 (Energy Max)	0.28	0.15	0.35	49	Y	Y	Y	Y
BRIGHTON NARROW RAIL SLIDING DOOR	1/8"	3/4"	180 - argon - i89 (Energy North)	0.26	0.44	0.54	47	N	N	N	N
	1/8"	3/4"	272 - argon - clear (Energy Basic)	0.29	0.30	0.50	61	Y	Y	N	N
	1/8"	3/4"	272 - argon - i89 (Energy Plus)	0.26	0.29	0.49	48	Y	Y	N	N
	1/8"	3/4"	366 - argon - clear (Energy 3S)	0.29	0.20	0.45	61	Y	Y	Y	Y
	1/8"	3/4"	366 - argon - i89 (Energy Max)	0.25	0.19	0.44	48	Y	Y	Y	Y
BRIGHTON OUTSWING DOOR	1/8"	3/4"	272 - argon - clear (Energy Basic)	0.32	0.24	0.40	60	N	N	N	Y
	1/8"	3/4"	272 - argon - i89 (Energy Plus)	0.28	0.24	0.39	48	Y	Y	Y	Y
	1/8"	3/4"	366 - argon - clear (Energy 3S)	0.31	0.16	0.36	60	N	N	N	Y
	1/8"	3/4"	366 - argon - i89 (Energy Max)	0.28	0.16	0.35	48	Y	Y	Y	Y
CLASSIC FIT DIRECT SET PICTURE WINDOW	1/8"	1"	180 - argon - i89 (Energy North)	0.23	0.54	0.66	45	Y	N	N	N
	1/8"	1"	272 - argon - clear (Energy Basic)	0.28	0.36	0.61	57	Y	Y	N	N
	1/8"	1"	272 - argon - i89 (Energy Plus)	0.23	0.35	0.60	46	Y	Y	N	N
	1/8"	1"	366 - argon - clear (Energy 3S)	0.27	0.23	0.55	57	Y	Y	Y	Y
	1/8"	1"	366 - argon - i89 (Energy Max)	0.22	0.23	0.54	46	Y	Y	Y	Y



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								Qualifying Zones			
								N	NC	SC	S
CLASSIC FIT DOUBLE HUNG	1/8"	3/4"	180 - argon - i89 (Energy North)	0.28	0.42	0.51	43	Y	N	N	N
	1/8"	3/4"	272 - argon - clear (Energy Basic)	0.31	0.28	0.48	55	N	N	N	N
	1/8"	3/4"	272 - argon - i89 (Energy Plus)	0.27	0.28	0.47	44	Y	Y	N	N
	1/8"	3/4"	366 - argon - clear (Energy 3S)	0.30	0.19	0.43	56	N	Y	Y	Y
	1/8"	3/4"	366 - argon - i89 (Energy Max)	0.27	0.18	0.42	45	Y	Y	Y	Y
CLASSIC FIT DOUBLE HUNG PICTURE WINDOW	1/8"	3/4"	180 - argon - i89 (Energy North)	0.25	0.46	0.57	45	Y	N	N	N
	1/8"	3/4"	272 - argon - clear (Energy Basic)	0.29	0.31	0.53	58	N	Y	N	N
	1/8"	3/4"	272 - argon - i89 (Energy Plus)	0.25	0.30	0.52	46	Y	Y	N	N
	1/8"	3/4"	366 - argon - clear (Energy 3S)	0.28	0.21	0.47	59	N	Y	Y	Y
	1/8"	3/4"	366 - argon - i89 (Energy Max)	0.24	0.20	0.47	46	Y	Y	Y	Y
HISTORIC FIT DIRECT SET PICTURE WINDOW	1/8"	1"	180 - argon - i89 (Energy North)	0.23	0.56	0.69	45	Y	N	N	N
	1/8"	1"	272 - argon - clear (Energy Basic)	0.28	0.37	0.64	57	Y	Y	N	N
	1/8"	1"	272 - argon - i89 (Energy Plus)	0.23	0.36	0.63	46	Y	Y	N	N
	1/8"	1"	366 - argon - clear (Energy 3S)	0.27	0.24	0.57	57	Y	Y	Y	Y
	1/8"	1"	366 - argon - i89 (Energy Max)	0.22	0.24	0.56	46	Y	Y	Y	Y
HISTORIC FIT DOUBLE HUNG	1/8"	3/4"	180 - argon - i89 (Energy North)	0.28	0.44	0.53	43	Y	N	N	N
	1/8"	3/4"	272 - argon - clear (Energy Basic)	0.31	0.29	0.49	55	N	N	N	N
	1/8"	3/4"	272 - argon - i89 (Energy Plus)	0.28	0.29	0.48	44	N	Y	N	N
	1/8"	3/4"	366 - argon - clear (Energy 3S)	0.31	0.19	0.44	56	N	N	N	Y
	1/8"	3/4"	366 - argon - i89 (Energy Max)	0.27	0.19	0.44	45	Y	Y	Y	Y
HISTORIC FIT DOUBLE HUNG PICTURE WINDOW	1/8"	3/4"	180 - argon - i89 (Energy North)	0.25	0.48	0.59	45	Y	N	N	N
	1/8"	3/4"	272 - argon - clear (Energy Basic)	0.29	0.32	0.54	58	N	Y	N	N
	1/8"	3/4"	272 - argon - i89 (Energy Plus)	0.25	0.31	0.54	46	Y	Y	N	N
	1/8"	3/4"	366 - argon - clear (Energy 3S)	0.28	0.21	0.49	59	N	Y	Y	Y
	1/8"	3/4"	366 - argon - i89 (Energy Max)	0.25	0.21	0.48	46	Y	Y	Y	Y
TIMBERLINE AWNING	1/8"	1"	180 - argon - i89 (Energy North)	0.26	0.43	0.53	48	Y	N	N	N
	1/8"	1"	240 - argon - i89 (Energy Enhanced)	0.26	0.17	0.27	48	Y	Y	Y	Y
	1/8"	1"	272 - argon - clear (Energy Basic)	0.28	0.29	0.49	59	N	Y	N	N
	1/8"	1"	272 - argon - i89 (Energy Plus)	0.25	0.28	0.48	49	Y	Y	N	N
	1/8"	1"	366 - argon - clear (Energy 3S)	0.28	0.19	0.44	59	N	Y	Y	Y
	1/8"	1"	366 - argon - i89 (Energy MAX)	0.25	0.19	0.43	49	Y	Y	Y	Y
TIMBERLINE CASEMENT	1/8"	1"	180 - argon - i89 (Energy North)	0.25	0.43	0.53	51	Y	N	N	N
	1/8"	1"	240 - argon - i89 (Energy Enhanced)	0.25	0.17	0.27	51	Y	Y	Y	Y
	1/8"	1"	272 - argon - clear (Energy Basic)	0.28	0.29	0.49	63	N	Y	N	N
	1/8"	1"	272 - argon - i89 (Energy Plus)	0.25	0.28	0.48	51	Y	Y	N	N
	1/8"	1"	366 - argon - clear (Energy 3S)	0.28	0.19	0.44	64	N	Y	Y	Y
	1/8"	1"	366 - argon - i89 (Energy MAX)	0.24	0.19	0.43	52	Y	Y	Y	Y
TIMBERLINE DIRECT SET PICTURE WINDOW	1/8"	1"	180 - argon - i89 (Energy North)	0.24	0.55	0.68	51	Y	N	N	N
	1/8"	1"	240 - argon - i89 (Energy Enhanced)	0.23	0.21	0.34	52	Y	Y	Y	Y
	1/8"	1"	272 - argon - clear (Energy Basic)	0.28	0.36	0.63	64	Y	Y	N	N
	1/8"	1"	272 - argon - i89 (Energy Plus)	0.23	0.36	0.62	52	Y	Y	N	N
	1/8"	1"	366 - argon - clear (Energy 3S)	0.27	0.24	0.57	65	N	Y	Y	Y
	1/8"	1"	366 - argon - i89 (Energy MAX)	0.23	0.24	0.55	53	Y	Y	Y	Y