



HomeMaker 3 Thermal Chart

Glass Package	IG Thick	Interior Glass	Spacer	Exterior Glass	Gas Fill	STC	6/4/19			Energy Star	Flat or Sculpted Grids			Energy Star
							Sound Control	No Grids			U-Value	SHGC	VLT	
							U-Value	SHGC	VLT					
HM160 Horizontal Slider														
DSB Glass with 270 Low-E "Standard"	3/4"	1/8"	Intercept	1/8"	Air	28	0.32	0.30	0.55		0.32	0.27	0.49	
DSB Glass with 270 Low-E and Argon	3/4"	1/8"	Intercept	1/8"	Argon	28	0.29	0.29	0.55	NC	0.29	0.26	0.49	NC
DSB Glass with 366 Low-E	3/4"	1/8"	Intercept	1/8"	Air	28	0.32	0.22	0.51	S	0.32	0.20	0.45	S
DSB Glass with 366 Low-E and Argon	3/4"	1/8"	Intercept	1/8"	Argon	28	0.28	0.22	0.51	NC, SC, S	0.28	0.20	0.45	NC, SC, S
DSB Glass with 340 Low-E	3/4"	1/8"	Intercept	1/8"	Air	28	0.32	0.15	0.31	S	0.32	0.14	0.27	S
DSB Glass with 340 Low-E and Argon	3/4"	1/8"	Intercept	1/8"	Argon	28	0.28	0.14	0.31	NC, SC, S	0.28	0.13	0.27	NC, SC, S
DSB Glass with 366 Low-E, i89, and Argon	3/4"	1/8"	Super Spacer	1/8"	Argon	30	0.23	0.21	0.50	N, NC, SC, S	0.23	0.19	0.44	N, NC, SC, S
DSB Glass with 366 Low-E "CA-T24"	3/4"	1/8"	Super Spacer	1/8"	Air	30	0.30	0.22	0.51	NC, SC, S	0.30	0.20	0.45	NC, SC, S
DSB Glass with 366 Low-E and Argon "TMAX"	3/4"	1/8"	Super Spacer	1/8"	Argon	30	0.27	0.22	0.51	N, NC, SC, S	0.27	0.20	0.45	N, NC, SC, S
DSB Glass with 270 Low-E and Argon "Energy Star North"	3/4"	1/8"	Super Spacer	1/8"	Argon	30	0.27	0.29	0.55	N, NC	0.27	0.26	0.49	N, NC
3/16" DSB Glass with 270 Low-E	1 1/8"	1/8"	Super Spacer	3/16"	Air	35	0.32	0.29	0.55		0.32	0.26	0.49	
3/16" DSB Glass with 366 Low-E	1 1/8"	1/8"	Super Spacer	3/16"	Air	35	0.31	0.22	0.51	S	0.31	0.20	0.45	S
3/16" DSB Glass with 340 Low-E	1 1/8"	1/8"	Super Spacer	3/16"	Air	35	0.32	0.15	0.30	S	0.32	0.14	0.27	S
1/4" DSB Glass with 270 Low-E	1 1/8"	1/8"	SS Box	1/4"	Air	36	0.33	0.29	0.54		0.33	0.26	0.48	
1/4" DSB Glass with 366 Low-E	1 1/8"	1/8"	SS Box	1/4"	Air	36	0.32	0.22	0.50	S	0.32	0.20	0.45	S
1/4" DSB Glass with 340 Low-E	1 1/8"	1/8"	SS Box	1/4"	Air	36	0.32	0.15	0.30	S	0.32	0.14	0.27	S
1/4" 2.7 Lami Glass with 270 Low-E	1 1/8"	2.7 030PVB 2.7	SS Box	1/4"	Air	39	0.32	0.29	0.54		0.32	0.26	0.48	
1/4" 2.7 Lami Glass with 366 Low-E	1 1/8"	2.7 030PVB 2.7	SS Box	1/4"	Air	39	0.32	0.22	0.50	S	0.32	0.20	0.44	S
1/4" 2.7 Lami Glass with 340 Low-E	1 1/8"	2.7 030PVB 2.7	SS Box	1/4"	Air	39	0.32	0.15	0.30	S	0.32	0.14	0.27	S
DSB Glass with 366 Low-E, i89, and Krypton	3/4"	1/8"	Super Spacer	1/8"	Krypton	n/a	0.22	0.21	0.50	N, NC, SC, S	0.22	0.19	0.44	N, NC, SC, S
HM150 Single Hung														
DSB Glass with 270 Low-E "Standard"	3/4"	1/8"	Intercept	1/8"	Air	28	0.32	0.30	0.55		0.32	0.27	0.49	
DSB Glass with 270 Low-E and Argon	3/4"	1/8"	Intercept	1/8"	Argon	28	0.29	0.29	0.55	NC	0.29	0.27	0.49	NC
DSB Glass with 366 Low-E	3/4"	1/8"	Intercept	1/8"	Air	28	0.32	0.22	0.51	S	0.32	0.20	0.46	S
DSB Glass with 366 Low-E and Argon	3/4"	1/8"	Intercept	1/8"	Argon	28	0.28	0.22	0.51	NC, SC, S	0.28	0.20	0.46	NC, SC, S
DSB Glass with 340 Low-E	3/4"	1/8"	Intercept	1/8"	Air	28	0.32	0.15	0.31	S	0.32	0.14	0.27	S
DSB Glass with 340 Low-E and Argon	3/4"	1/8"	Intercept	1/8"	Argon	28	0.28	0.14	0.31	NC, SC, S	0.28	0.13	0.27	NC, SC, S
DSB Glass with 366 Low-E, i89, and Argon	3/4"	1/8"	Super Spacer	1/8"	Argon	30	0.23	0.21	0.50	N, NC, SC, S	0.23	0.19	0.44	N, NC, SC, S
DSB Glass with 366 Low-E "CA-T24"	3/4"	1/8"	Super Spacer	1/8"	Air	30	0.30	0.22	0.51	NC, SC, S	0.30	0.20	0.46	NC, SC, S
DSB Glass with 366 Low-E and Argon "TMAX"	3/4"	1/8"	Super Spacer	1/8"	Argon	30	0.27	0.22	0.51	N, NC, SC, S	0.27	0.20	0.46	N, NC, SC, S
DSB Glass with 270 Low-E and Argon "Energy Star North"	3/4"	1/8"	Super Spacer	1/8"	Argon	30	0.27	0.29	0.55	N, NC, SC, S	0.27	0.27	0.49	N, NC, SC, S
3/16" DSB Glass with 270 Low-E	1 1/8"	1/8"	Super Spacer	3/16"	Air	35	0.32	0.29	0.55		0.32	0.26	0.49	
3/16" DSB Glass with 366 Low-E	1 1/8"	1/8"	Super Spacer	3/16"	Air	35	0.31	0.22	0.51	S	0.31	0.20	0.45	S
3/16" DSB Glass with 340 Low-E	1 1/8"	1/8"	Super Spacer	3/16"	Air	35	0.32	0.15	0.30	S	0.32	0.14	0.27	S
1/4" DSB Glass with 270 Low-E	1 1/8"	1/8"	SS Box	1/4"	Air	37	0.32	0.29	0.54		0.32	0.26	0.48	
1/4" DSB Glass with 366 Low-E	1 1/8"	1/8"	SS Box	1/4"	Air	37	0.31	0.22	0.50	S	0.31	0.20	0.45	S
1/4" DSB Glass with 340 Low-E	1 1/8"	1/8"	SS Box	1/4"	Air	37	0.31	0.15	0.30	S	0.31	0.14	0.27	S
1/4" 2.7 Lami Glass with 270 Low-E	1 1/8"	2.7 030PVB 2.7	SS Box	1/4"	Air	40	0.31	0.29	0.54		0.31	0.26	0.48	
1/4" 2.7 Lami Glass with 366 Low-E	1 1/8"	2.7 030PVB 2.7	SS Box	1/4"	Air	40	0.31	0.22	0.50	S	0.31	0.20	0.44	S
1/4" 2.7 Lami Glass with 340 Low-E	1 1/8"	2.7 030PVB 2.7	SS Box	1/4"	Air	40	0.31	0.15	0.30	S	0.31	0.14	0.27	S
DSB Glass with 366 Low-E, i89, and Krypton	3/4"	1/8"	Super Spacer	1/8"	Krypton	n/a	0.22	0.21	0.50	N, NC, SC, S	0.22	0.19	0.44	N, NC, SC, S
HM155 Fixed Picture Window														
DSB Glass with 270 Low-E "Standard"	3/4"	1/8"	Intercept	1/8"	Air	29	0.30	0.32	0.59	NC	0.30	0.29	0.53	NC
DSB Glass with 270 Low-E and Argon	3/4"	1/8"	Intercept	1/8"	Argon	29	0.27	0.31	0.59	N, NC	0.27	0.28	0.53	N, NC
DSB Glass with 366 Low-E	3/4"	1/8"	Intercept	1/8"	Air	29	0.30	0.24	0.55	NC, SC, S	0.30	0.22	0.49	NC, SC, S
DSB Glass with 366 Low-E and Argon	3/4"	1/8"	Intercept	1/8"	Argon	29	0.26	0.23	0.55	N, NC, SC, S	0.26	0.21	0.49	N, NC, SC, S
DSB Glass with 340 Low-E	3/4"	1/8"	Intercept	1/8"	Air	29	0.30	0.16	0.33	NC, SC, S	0.30	0.15	0.29	NC, SC, S
DSB Glass with 340 Low-E and Argon	3/4"	1/8"	Intercept	1/8"	Argon	29	0.26	0.15	0.33	N, NC, SC, S	0.26	0.14	0.29	N, NC, SC, S
DSB Glass with 366 Low-E, i89, and Argon	3/4"	1/8"	Super Spacer	1/8"	Argon	29	0.21	0.23	0.53	N, NC, SC, S	0.21	0.21	0.48	N, NC, SC, S
DSB Glass with 366 Low-E "CA-T24"	3/4"	1/8"	Super Spacer	1/8"	Air	29	0.29	0.24	0.55	NC, SC, S	0.29	0.22	0.49	NC, SC, S
DSB Glass with 366 Low-E and Argon "TMAX"	3/4"	1/8"	Super Spacer	1/8"	Argon	29	0.25	0.23	0.55	N, NC, SC, S	0.25	0.21	0.49	N, NC, SC, S
DSB Glass with 270 Low-E and Argon "Energy Star North"	3/4"	1/8"	Super Spacer	1/8"	Argon	29	0.26	0.31	0.59	N, NC	0.26	0.28	0.53	N, NC
3/16" DSB Glass with 270 Low-E	1 1/8"	1/8"	Super Spacer	3/16"	Air	33	0.31	0.31	0.59		0.31	0.28	0.52	
3/16" DSB Glass with 366 Low-E	1 1/8"	1/8"	Super Spacer	3/16"	Air	33	0.31	0.24	0.54	S	0.31	0.22	0.49	S
3/16" DSB Glass with 340 Low-E	1 1/8"	1/8"	Super Spacer	3/16"	Air	33	0.31	0.16	0.33	S	0.31	0.15	0.29	S
1/4" DSB Glass with 270 Low-E	1 1/8"	1/8"	SS Box	1/4"	Air	36	0.31	0.31	0.58		0.31	0.28	0.52	
1/4" DSB Glass with 366 Low-E	1 1/8"	1/8"	SS Box	1/4"	Air	36	0.31	0.24	0.54	S	0.31	0.22	0.48	S
1/4" DSB Glass with 340 Low-E	1 1/8"	1/8"	SS Box	1/4"	Air	36	0.31	0.16	0.32	S	0.31	0.15	0.29	S
1/4" 2.7 Lami Glass with 270 Low-E	1 1/8"	2.7 030PVB 2.7	SS Box	1/4"	Air	42	0.31	0.31	0.58		0.31	0.28	0.52	
1/4" 2.7 Lami Glass with 366 Low-E	1 1/8"	2.7 030PVB 2.7	SS Box	1/4"	Air	42	0.30	0.23	0.53	NC, SC, S	0.30	0.21	0.48	NC, SC, S
1/4" 2.7 Lami Glass with 340 Low-E	1 1/8"	2.7 030PVB 2.7	SS Box	1/4"	Air	42	0.30	0.16	0.32	NC, SC, S	0.30	0.15	0.29	NC, SC, S



HomeMaker 3 Thermal Chart

6/4/19

Sound Control	No Grids			Energy Star	Flat or Sculpted Grids			Energy Star
	U-Value	SHGC	VLT		U-Value	SHGC	VLT	

Glass Package	IG Thick	Interior Glass	Spacer	Exterior Glass	Gas Fill	STC	U-Value	SHGC	VLT	Energy Star	U-Value	SHGC	VLT	Energy Star
HM147 Casement														
DSB Glass with 270 Low-E "Standard"	3/4"	1/8"	Intercept	1/8"	Air	30	0.29	0.24	0.44	NC, SC, S	0.29	0.22	0.40	NC, SC, S
DSB Glass with 270 Low-E and Argon	3/4"	1/8"	Intercept	1/8"	Argon	30	0.27	0.24	0.44	N, NC, SC, S	0.27	0.22	0.40	N, NC, SC, S
DSB Glass with 366 Low-E	3/4"	1/8"	Intercept	1/8"	Air	30	0.29	0.18	0.41	NC, SC, S	0.29	0.17	0.37	NC, SC, S
DSB Glass with 366 Low-E and Argon	3/4"	1/8"	Intercept	1/8"	Argon	30	0.26	0.18	0.41	N, NC, SC, S	0.26	0.16	0.37	N, NC, SC, S
DSB Glass with 340 Low-E	3/4"	1/8"	Intercept	1/8"	Air	30	0.29	0.12	0.25	NC, SC, S	0.29	0.11	0.22	NC, SC, S
DSB Glass with 340 Low-E and Argon	3/4"	1/8"	Intercept	1/8"	Argon	30	0.26	0.12	0.25	N, NC, SC, S	0.26	0.11	0.22	N, NC, SC, S
DSB Glass with 366 Low-E, i89, and Argon	3/4"	1/8"	Super Spacer	1/8"	Argon	31	0.22	0.18	0.40	N, NC, SC, S	0.22	0.16	0.36	N, NC, SC, S
DSB Glass with 366 Low-E "CA-T24"	3/4"	1/8"	Super Spacer	1/8"	Air	31	0.28	0.18	0.41	NC, SC, S	0.28	0.17	0.37	NC, SC, S
DSB Glass with 366 Low-E and Argon "TMAX"	3/4"	1/8"	Super Spacer	1/8"	Argon	31	0.25	0.18	0.41	N, NC, SC, S	0.25	0.16	0.37	N, NC, SC, S
DSB Glass with 270 Low-E and Argon "Energy Star North"	3/4"	1/8"	Super Spacer	1/8"	Argon	31	0.25	0.24	0.44	N, NC, SC, S	0.25	0.22	0.40	N, NC, SC, S
3/16"DSB Glass with 270 Low-E	1 1/8"	1/8"	Super Spacer	3/16"	Air	34	0.29	0.24	0.44	NC, SC, S	0.29	0.22	0.40	NC, SC, S
3/16"DSB Glass with 366 Low-E	1 1/8"	1/8"	Super Spacer	3/16"	Air	34	0.28	0.18	0.41	NC, SC, S	0.28	0.17	0.37	NC, SC, S
3/16"DSB Glass with 340 Low-E	1 1/8"	1/8"	Super Spacer	3/16"	Air	34	0.29	0.12	0.24	NC, SC, S	0.29	0.11	0.22	NC, SC, S
1/4"DSB Glass with 270 Low-E	1 1/8"	1/8"	SS Box	1/4"	Air	37	0.30	0.23	0.44	NC, SC, S	0.30	0.21	0.39	NC, SC, S
1/4"DSB Glass with 366 Low-E	1 1/8"	1/8"	SS Box	1/4"	Air	37	0.29	0.18	0.40	NC, SC, S	0.29	0.17	0.36	NC, SC, S
1/4"DSB Glass with 340 Low-E	1 1/8"	1/8"	SS Box	1/4"	Air	37	0.30	0.12	0.24	NC, SC, S	0.30	0.11	0.22	NC, SC, S
1/4"2.7 Lami Glass with 270 Low-E	1 1/8"	2.7 030PVB 2.7	SS Box	1/4"	Air	41	0.29	0.23	0.43	NC, SC, S	0.29	0.21	0.39	NC, SC, S
1/4"2.7 Lami Glass with 366 Low-E	1 1/8"	2.7 030PVB 2.7	SS Box	1/4"	Air	41	0.29	0.18	0.40	NC, SC, S	0.29	0.16	0.36	NC, SC, S
1/4"2.7 Lami Glass with 340 Low-E	1 1/8"	2.7 030PVB 2.7	SS Box	1/4"	Air	41	0.29	0.12	0.24	NC, SC, S	0.29	0.11	0.22	NC, SC, S
HM140 Awning														
DSB Glass with 270 Low-E "Standard"	3/4"	1/8"	Intercept	1/8"	Air	30	0.30	0.24	0.44	NC, SC, S	0.30	0.22	0.40	NC, SC, S
DSB Glass with 270 Low-E and Argon	3/4"	1/8"	Intercept	1/8"	Argon	30	0.27	0.24	0.44	N, NC, SC, S	0.27	0.22	0.40	N, NC, SC, S
DSB Glass with 366 Low-E	3/4"	1/8"	Intercept	1/8"	Air	30	0.29	0.18	0.41	NC, SC, S	0.29	0.17	0.37	NC, SC, S
DSB Glass with 366 Low-E and Argon	3/4"	1/8"	Intercept	1/8"	Argon	30	0.26	0.18	0.41	N, NC, SC, S	0.26	0.16	0.37	N, NC, SC, S
DSB Glass with 340 Low-E	3/4"	1/8"	Intercept	1/8"	Air	30	0.29	0.12	0.25	NC, SC, S	0.29	0.11	0.22	NC, SC, S
DSB Glass with 340 Low-E and Argon	3/4"	1/8"	Intercept	1/8"	Argon	30	0.27	0.12	0.25	N, NC, SC, S	0.27	0.11	0.22	N, NC, SC, S
DSB Glass with 366 Low-E, i89, and Argon	3/4"	1/8"	Super Spacer	1/8"	Argon	31	0.22	0.18	0.40	N, NC, SC, S	0.22	0.16	0.36	N, NC, SC, S
DSB Glass with 366 Low-E "CA-T24"	3/4"	1/8"	Super Spacer	1/8"	Air	31	0.28	0.18	0.41	NC, SC, S	0.28	0.17	0.37	NC, SC, S
DSB Glass with 366 Low-E and Argon "TMAX"	3/4"	1/8"	Super Spacer	1/8"	Argon	31	0.25	0.18	0.41	N, NC, SC, S	0.25	0.16	0.37	N, NC, SC, S
DSB Glass with 270 Low-E and Argon "Energy Star North"	3/4"	1/8"	Super Spacer	1/8"	Argon	31	0.25	0.24	0.44	N, NC, SC, S	0.25	0.22	0.40	N, NC, SC, S
3/16"DSB Glass with 270 Low-E	1 1/8"	1/8"	Super Spacer	3/16"	Air	34	0.29	0.24	0.44	NC, SC, S	0.29	0.22	0.40	NC, SC, S
3/16"DSB Glass with 366 Low-E	1 1/8"	1/8"	Super Spacer	3/16"	Air	34	0.29	0.18	0.41	NC, SC, S	0.29	0.17	0.37	NC, SC, S
3/16"DSB Glass with 340 Low-E	1 1/8"	1/8"	Super Spacer	3/16"	Air	34	0.29	0.12	0.24	NC, SC, S	0.29	0.11	0.22	NC, SC, S
1/4"DSB Glass with 270 Low-E	1 1/8"	1/8"	SS Box	1/4"	Air	37	0.30	0.23	0.44	NC, SC, S	0.30	0.21	0.39	NC, SC, S
1/4"DSB Glass with 366 Low-E	1 1/8"	1/8"	SS Box	1/4"	Air	37	0.30	0.18	0.40	NC, SC, S	0.30	0.17	0.36	NC, SC, S
1/4"DSB Glass with 340 Low-E	1 1/8"	1/8"	SS Box	1/4"	Air	37	0.30	0.12	0.24	NC, SC, S	0.30	0.12	0.22	NC, SC, S
1/4"2.7 Lami Glass with 270 Low-E	1 1/8"	2.7 030PVB 2.7	SS Box	1/4"	Air	41	0.29	0.23	0.43	NC, SC, S	0.29	0.21	0.39	NC, SC, S
1/4"2.7 Lami Glass with 366 Low-E	1 1/8"	2.7 030PVB 2.7	SS Box	1/4"	Air	41	0.29	0.18	0.40	NC, SC, S	0.29	0.16	0.36	NC, SC, S
1/4"2.7 Lami Glass with 340 Low-E	1 1/8"	2.7 030PVB 2.7	SS Box	1/4"	Air	41	0.29	0.12	0.24	NC, SC, S	0.29	0.11	0.22	NC, SC, S