

All values listed are NFRC certified with no grids. The addition of grids may alter the test information slightly. Unshaded thermal numbers are based on simulation testing. Official testing is in progress as the date shown. Periodic re-certification is required thus the values shown may vary slightly. Quaker Window Products Inc. reserves the right to modify or discontinue any product(s) without notice.

11/18/2019

Product Name	Glass Type (no dividers, Super spacer)	U-Value	SHGC	VT	CR	Air Infiltration	Meets Energy Star Criterion			
							N	NC	SC	S
CityLine / C600 Casement	366 - argon - clear (Energy 3S)	0.29	0.19	0.44	66	≤0.30	NO	YES	YES	YES
	272 - argon - clear (Energy Basic)	0.30	0.29	0.49	66	≤0.30	NO	YES	NO	NO
	366 - argon - i89 (Energy MAX)	0.26	0.19	0.43	53	≤0.30	YES	YES	YES	YES
	272 - argon - i89 (Energy Plus)	0.26	0.28	0.48	52	≤0.30	YES	YES	NO	NO
	180 - argon - i89 (EnergyNorth)	0.27	0.43	0.53	51	≤0.30	YES	NO	NO	NO
CityLine / C600 Awning	366 - argon - clear (Energy 3S)	0.29	0.19	0.44	61	≤0.30	NO	YES	YES	YES
	272 - argon - clear (Energy Basic)	0.30	0.29	0.49	61	≤0.30	NO	YES	NO	NO
	366 - argon - i89 (Energy MAX)	0.27	0.19	0.43	52	≤0.30	YES	YES	YES	YES
	272 - argon - i89 (Energy Plus)	0.27	0.28	0.48	51	≤0.30	YES	YES	NO	NO
	180 - argon - i89 (EnergyNorth)	0.27	0.43	0.53	50	≤0.30	YES	NO	NO	NO
CityLine / C600 Direct Set Picture Window	366 - argon - clear (Energy 3S)	0.28	0.24	0.57	67	≤0.30	NO	YES	YES	YES
	272 - argon - clear (Energy Basic)	0.29	0.36	0.63	67	≤0.30	NO	YES	NO	NO
	366 - argon - i89 (Energy MAX)	0.24	0.24	0.55	53	≤0.30	YES	YES	YES	YES
	272 - argon - i89 (Energy Plus)	0.24	0.36	0.62	52	≤0.30	YES	YES	NO	NO
	180 - argon - i89 (EnergyNorth)	0.25	0.55	0.68	51	≤0.30	YES	NO	NO	NO
E200 Direct Set Picture Window	366 - argon - clear (Energy 3S)	0.32	0.25	0.57	53	≤0.30	NO	NO	NO	YES
	272 - argon - clear (Energy Basic)	0.32	0.37	0.63	53	≤0.30	NO	NO	NO	NO
	366 - argon - i89 (Energy MAX)	0.27	0.24	0.56	51	≤0.30	YES	YES	YES	YES
	272 - argon - i89 (Energy Plus)	0.28	0.36	0.62	50	≤0.30	YES	YES	NO	NO
	180 - argon - i89 (EnergyNorth)	0.28	0.56	0.68	50	≤0.30	YES	NO	NO	NO
E300 Direct Set Picture Window	366 - argon - clear (Energy 3S)	0.31	0.25	0.57	57	≤0.30	NO	NO	NO	YES
	272 - argon - clear (Energy Basic)	0.31	0.37	0.63	57	≤0.30	NO	NO	NO	NO
	366 - argon - i89 (Energy MAX)	0.26	0.24	0.56	47	≤0.30	YES	YES	YES	YES
	272 - argon - i89 (Energy Plus)	0.26	0.36	0.62	47	≤0.30	YES	YES	NO	NO
	180 - argon - i89 (EnergyNorth)	0.27	0.56	0.68	46	≤0.30	YES	NO	NO	NO
E300 Horizontal Slider	366 - argon - clear (Energy 3S)	0.39	0.21	0.48	48	≤0.30	NO	NO	NO	YES
	272 - argon - clear (Energy Basic)	0.40	0.31	0.53	48	≤0.30	NO	NO	NO	NO
	366 - argon - i89 (Energy MAX)	0.35	0.21	0.47	45	≤0.30	NO	NO	NO	YES
	272 - argon - i89 (Energy Plus)	0.36	0.31	0.52	44	≤0.30	NO	NO	NO	NO
	180 - argon - i89 (EnergyNorth)	0.36	0.47	0.57	44	≤0.30	NO	NO	NO	NO
E600 Direct Set Picture Window	366 - argon - clear (Energy 3S)	0.30	0.24	0.55	55	≤0.30	NO	YES	YES	YES
	272 - argon - clear (Energy Basic)	0.31	0.36	0.61	54	≤0.30	NO	NO	NO	NO
	366 - argon - i89 (Energy MAX)	0.25	0.23	0.54	46	≤0.30	YES	YES	YES	YES
	272 - argon - i89 (Energy Plus)	0.26	0.35	0.60	45	≤0.30	YES	YES	NO	NO
	180 - argon - i89 (EnergyNorth)	0.26	0.54	0.66	45	≤0.30	YES	NO	NO	NO
E600 Awning	366 - argon - clear (Energy 3S)	0.36	0.18	0.40	57	≤0.30	NO	NO	NO	YES
	272 - argon - clear (Energy Basic)	0.36	0.26	0.44	56	≤0.30	NO	NO	NO	NO
	366 - argon - i89 (Energy MAX)	0.33	0.17	0.39	45	≤0.30	NO	NO	NO	YES
	272 - argon - i89 (Energy Plus)	0.33	0.26	0.43	45	≤0.30	NO	NO	NO	NO
	180 - argon - i89 (EnergyNorth)	0.33	0.39	0.47	44	≤0.30	NO	NO	NO	NO
E600 PushOut Casement	366 - argon - clear (Energy 3S)	0.38	0.18	0.40	46	≤0.30	NO	NO	NO	YES
	272 - argon - clear (Energy Basic)	0.39	0.27	0.44	56	≤0.30	NO	NO	NO	NO
	366 - argon - i89 (Energy MAX)	0.35	0.18	0.39	44	≤0.30	NO	NO	NO	YES
	272 - argon - i89 (Energy Plus)	0.35	0.26	0.43	48	≤0.30	NO	NO	NO	NO
	180 - argon - i89 (EnergyNorth)	0.36	0.40	0.47	48	≤0.30	NO	NO	NO	NO
E600 Hopper	366 - argon - clear (Energy 3S)	0.35	0.18	0.40	57	≤0.30	NO	NO	NO	YES
	272 - argon - clear (Energy Basic)	0.36	0.26	0.44	57	≤0.30	NO	NO	NO	NO
	366 - argon - i89 (Energy MAX)	0.33	0.17	0.39	46	≤0.30	NO	NO	NO	YES
	272 - argon - i89 (Energy Plus)	0.33	0.26	0.43	45	≤0.30	NO	NO	NO	NO
	180 - argon - i89 (EnergyNorth)	0.33	0.39	0.47	45	≤0.30	NO	NO	NO	NO
E600 Pull-In Casement	366 - argon - clear (Energy 3S)	0.35	0.18	0.40	60	≤0.30	NO	NO	NO	YES
	272 - argon - clear (Energy Basic)	0.36	0.26	0.44	60	≤0.30	NO	NO	NO	NO
	366 - argon - i89 (Energy MAX)	0.32	0.17	0.39	49	≤0.30	NO	NO	NO	YES
	272 - argon - i89 (Energy Plus)	0.32	0.26	0.43	49	≤0.30	NO	NO	NO	NO
	180 - argon - i89 (EnergyNorth)	0.33	0.39	0.47	48	≤0.30	NO	NO	NO	NO
H300 / H500 Direct Set Picture Window	366 - argon - clear (Energy 3S)	0.30	0.25	0.58	61	≤0.30	NO	YES	YES	YES
	272 - argon - clear (Energy Basic)	0.31	0.37	0.64	61	≤0.30	NO	NO	NO	NO
	366 - argon - i89 (Energy MAX)	0.25	0.24	0.57	49	≤0.30	YES	YES	YES	YES
	272 - argon - i89 (Energy Plus)	0.26	0.37	0.63	49	≤0.30	YES	YES	NO	NO
	180 - argon - i89 (EnergyNorth)	0.26	0.56	0.69	48	≤0.30	YES	NO	NO	NO
H600 Direct Set Picture Window	366 - argon - clear (Energy 3S)	0.30	0.25	0.58	61	≤0.30	NO	YES	YES	YES
	272 - argon - clear (Energy Basic)	0.31	0.37	0.64	61	≤0.30	NO	NO	NO	NO
	366 - argon - i89 (Energy MAX)	0.25	0.24	0.57	49	≤0.30	YES	YES	YES	YES
	272 - argon - i89 (Energy Plus)	0.26	0.37	0.63	49	≤0.30	YES	YES	NO	NO
	180 - argon - i89 (EnergyNorth)	0.26	0.56	0.69	48	≤0.30	YES	NO	NO	NO

Product Name	Glass Type (no dividers, Super spacer)	U-Value	SHGC	VT	CR	Air Infiltration	Meets Energy Star Criterion			
							N	NC	SC	S
H600 Awning	366 - argon - clear (Energy 3S)	0.40	0.21	0.46	49	≤0.30	NO	NO	NO	YES
	272 - argon - clear (Energy Basic)	0.40	0.31	0.51	49	≤0.30	NO	NO	NO	NO
	366 - argon - i89 (Energy MAX)	0.36	0.20	0.45	45	≤0.30	NO	NO	NO	YES
	272 - argon - i89 (Energy Plus)	0.37	0.30	0.50	44	≤0.30	NO	NO	NO	NO
	180 - argon - i89 (EnergyNorth)	0.37	0.46	0.55	44	≤0.30	NO	NO	NO	NO
H600 Casement	366 - argon - clear (Energy 3S)	0.40	0.21	0.46	48	≤0.30	NO	NO	NO	YES
	272 - argon - clear (Energy Basic)	0.40	0.31	0.51	48	≤0.30	NO	NO	NO	NO
	366 - argon - i89 (Energy MAX)	0.36	0.20	0.45	48	≤0.30	NO	NO	NO	YES
	272 - argon - i89 (Energy Plus)	0.37	0.30	0.50	47	≤0.30	NO	NO	NO	NO
	180 - argon - i89 (EnergyNorth)	0.37	0.46	0.55	47	≤0.30	NO	NO	NO	NO
K200 Direct Set Picture Window	366 - argon - clear (Energy 3S)	0.32	0.25	0.57	53	≤0.30	NO	NO	NO	YES
	272 - argon - clear (Energy Basic)	0.32	0.37	0.63	53	≤0.30	NO	NO	NO	NO
	366 - argon - i89 (Energy MAX)	0.27	0.24	0.56	51	≤0.30	YES	YES	YES	YES
	272 - argon - i89 (Energy Plus)	0.28	0.36	0.62	50	≤0.30	YES	YES	NO	NO
	180 - argon - i89 (EnergyNorth)	0.28	0.56	0.68	50	≤0.30	YES	NO	NO	NO
K200 Horizontal Slider	366 - argon - clear (Energy 3S)	0.41	0.22	0.50	38	≤0.30	NO	NO	NO	NO
	272 - argon - clear (Energy Basic)	0.42	0.33	0.56	38	≤0.30	NO	NO	NO	NO
	366 - argon - i89 (Energy MAX)	0.37	0.22	0.49	37	≤0.30	NO	NO	NO	YES
	272 - argon - i89 (Energy Plus)	0.38	0.33	0.55	37	≤0.30	NO	NO	NO	NO
	180 - argon - i89 (EnergyNorth)	0.38	0.50	0.60	37	≤0.30	NO	NO	NO	NO
T200 Direct Set Picture Window	366 - argon - clear (Energy 3S)	0.32	0.24	0.55	52	≤0.30	NO	NO	NO	YES
	272 - argon - clear (Energy Basic)	0.32	0.36	0.61	52	≤0.30	NO	NO	NO	NO
	366 - argon - i89 (Energy MAX)	0.27	0.23	0.54	48	≤0.30	YES	YES	YES	YES
	272 - argon - i89 (Energy Plus)	0.27	0.35	0.60	48	≤0.30	YES	YES	NO	NO
	180 - argon - i89 (EnergyNorth)	0.28	0.54	0.66	47	≤0.30	YES	NO	NO	NO
ModernVu / M600 Direct Set Picture Window	366 - argon - clear (Energy 3S)	0.30	0.24	0.56	59	≤0.30	NO	NO	NO	YES
	272 - argon - clear (Energy Basic)	0.31	0.36	0.62	58	≤0.30	NO	NO	NO	NO
	366 - argon - i89 (Energy MAX)	0.26	0.23	0.55	48	≤0.30	YES	YES	YES	YES
	272 - argon - i89 (Energy Plus)	0.26	0.35	0.61	47	≤0.30	YES	YES	NO	NO
	180 - argon - i89 (EnergyNorth)	0.27	0.54	0.67	46	≤0.30	YES	NO	NO	NO
ModernVu / M600 Awning	366 - argon - clear (Energy 3S)	0.42	0.20	0.43	49	≤0.30	NO	NO	NO	NO
	272 - argon - clear (Energy Basic)	0.43	0.29	0.48	49	≤0.30	NO	NO	NO	NO
	366 - argon - i89 (Energy MAX)	0.39	0.19	0.42	42	≤0.30	NO	NO	NO	YES
	272 - argon - i89 (Energy Plus)	0.40	0.29	0.47	41	≤0.30	NO	NO	NO	NO
	180 - argon - i89 (EnergyNorth)	0.40	0.43	0.52	41	≤0.30	NO	NO	NO	NO
ModernVu / M600 Casement	366 - argon - clear (Energy 3S)	0.42	0.20	0.43	48	≤0.30	NO	NO	NO	NO
	272 - argon - clear (Energy Basic)	0.43	0.29	0.48	48	≤0.30	NO	NO	NO	NO
	366 - argon - i89 (Energy MAX)	0.39	0.19	0.42	45	≤0.30	NO	NO	NO	YES
	272 - argon - i89 (Energy Plus)	0.39	0.29	0.47	44	≤0.30	NO	NO	NO	NO
	180 - argon - i89 (EnergyNorth)	0.40	0.43	0.52	44	≤0.30	NO	NO	NO	NO
M600 InSwing Terrace Door	366 - argon - clear (Energy 3S)	0.40	0.19	0.42	45	≤0.30	NO	NO	NO	YES
	272 - argon - clear (Energy Basic)	0.40	0.28	0.46	45	≤0.30	NO	NO	NO	NO
	366 - argon - i89 (Energy MAX)	0.37	0.18	0.41	45	≤0.30	NO	NO	NO	YES
	272 - argon - i89 (Energy Plus)	0.37	0.27	0.46	45	≤0.30	NO	NO	NO	NO
	180 - argon - i89 (EnergyNorth)	0.37	0.42	0.50	45	≤0.30	NO	NO	NO	NO
M600 InSwing Terrace Door with 10" Bottom Rail	366 - argon - clear (Energy 3S)	0.42	0.18	0.38	45	≤0.30	NO	NO	NO	NO
	272 - argon - clear (Energy Basic)	0.42	0.26	0.43	45	≤0.30	NO	NO	NO	NO
	366 - argon - i89 (Energy MAX)	0.39	0.17	0.38	45	≤0.30	NO	NO	NO	YES
	272 - argon - i89 (Energy Plus)	0.39	0.26	0.42	45	≤0.30	NO	NO	NO	NO
	180 - argon - i89 (EnergyNorth)	0.39	0.39	0.46	45	≤0.30	NO	NO	NO	NO
M600 InSwing Terrace Door Transom	366 - argon - clear (Energy 3S)	0.37	0.22	0.50	48	≤0.30	NO	NO	NO	YES
	272 - argon - clear (Energy Basic)	0.37	0.33	0.56	48	≤0.30	NO	NO	NO	NO
	366 - argon - i89 (Energy MAX)	0.33	0.21	0.49	46	≤0.30	NO	NO	NO	YES
	272 - argon - i89 (Energy Plus)	0.33	0.32	0.55	46	≤0.30	NO	NO	NO	NO
	180 - argon - i89 (EnergyNorth)	0.34	0.49	0.60	45	≤0.30	NO	NO	NO	NO
M600 OutSwing Terrace Door	366 - argon - clear (Energy 3S)	0.41	0.19	0.42	50	≤0.30	NO	NO	NO	NO
	272 - argon - clear (Energy Basic)	0.41	0.28	0.46	49	≤0.30	NO	NO	NO	NO
	366 - argon - i89 (Energy MAX)	0.37	0.19	0.41	49	≤0.30	NO	NO	NO	YES
	272 - argon - i89 (Energy Plus)	0.37	0.28	0.46	49	≤0.30	NO	NO	NO	NO
	180 - argon - i89 (EnergyNorth)	0.38	0.42	0.50	48	≤0.30	NO	NO	NO	NO
M600 Outswing Door with 10" Bottom rail	366 - argon - clear (Energy 3S)	0.42	0.19	0.42	48	≤0.30	NO	NO	NO	NO
	272 - argon - clear (Energy Basic)	0.43	0.28	0.46	48	≤0.30	NO	NO	NO	NO
	366 - argon - i89 (Energy MAX)	0.39	0.19	0.41	48	≤0.30	NO	NO	NO	YES
	272 - argon - i89 (Energy Plus)	0.39	0.28	0.46	48	≤0.30	NO	NO	NO	NO
	180 - argon - i89 (EnergyNorth)	0.40	0.42	0.50	48	≤0.30	NO	NO	NO	NO

Product Name	Glass Type (no dividers, Super spacer)	U-Value	SHGC	VT	CR	Air Infiltration	Meets Energy Star Criterion			
							N	NC	SC	S
M600 OutSwing Terrace Door Transom	366 - argon - clear (Energy 3S)	0.38	0.22	0.50	55	≤0.30	NO	NO	NO	YES
	272 - argon - clear (Energy Basic)	0.39	0.33	0.56	55	≤0.30	NO	NO	NO	NO
	366 - argon - i89 (Energy MAX)	0.35	0.22	0.49	50	≤0.30	NO	NO	NO	YES
	272 - argon - i89 (Energy Plus)	0.35	0.33	0.55	50	≤0.30	NO	NO	NO	NO
	180 - argon - i89 (EnergyNorth)	0.36	0.50	0.60	49	≤0.30	NO	NO	NO	NO
M300 Sliding Door	366 - argon - clear (Energy 3S)	0.39	0.22	0.49	45	≤0.30	NO	NO	NO	YES
	272 - argon - clear (Energy Basic)	0.39	0.32	0.55	45	≤0.30	NO	NO	NO	NO
	366 - argon - i89 (Energy MAX)	0.35	0.21	0.48	44	≤0.30	NO	NO	NO	YES
	272 - argon - i89 (Energy Plus)	0.35	0.32	0.54	43	≤0.30	NO	NO	NO	NO
	180 - argon - i89 (EnergyNorth)	0.36	0.48	0.59	43	≤0.30	NO	NO	NO	NO
M600 Sliding Door	366 - argon - clear (Energy 3S)	0.40	0.21	0.49	46	≤0.30	NO	NO	NO	YES
	272 - argon - clear (Energy Basic)	0.41	0.32	0.54	46	≤0.30	NO	NO	NO	NO
	366 - argon - i89 (Energy MAX)	0.36	0.21	0.47	45	≤0.30	NO	NO	NO	YES
	272 - argon - i89 (Energy Plus)	0.36	0.31	0.53	44	≤0.30	NO	NO	NO	NO
	180 - argon - i89 (EnergyNorth)	0.37	0.48	0.58	44	≤0.30	NO	NO	NO	NO
ModernVu / M200 / M300 / M600 Sliding Door Transom	366 - argon - clear (Energy 3S)	0.38	0.22	0.49	55	≤0.30	NO	NO	NO	YES
	272 - argon - clear (Energy Basic)	0.38	0.32	0.54	55	≤0.30	NO	NO	NO	NO
	366 - argon - i89 (Energy MAX)	0.34	0.21	0.47	49	≤0.30	NO	NO	NO	YES
	272 - argon - i89 (Energy Plus)	0.34	0.32	0.53	49	≤0.30	NO	NO	NO	NO
	180 - argon - i89 (EnergyNorth)	0.35	0.48	0.58	48	≤0.30	NO	NO	NO	NO
ModernVu / M200 Sliding Door	366 - argon - clear (Energy 3S)	0.39	0.22	0.49	45	≤0.30	NO	NO	NO	YES
	272 - argon - clear (Energy Basic)	0.39	0.32	0.55	45	≤0.30	NO	NO	NO	NO
	366 - argon - i89 (Energy MAX)	0.36	0.21	0.47	45	≤0.30	NO	NO	NO	YES
	272 - argon - i89 (Energy Plus)	0.36	0.31	0.53	44	≤0.30	NO	NO	NO	NO
	180 - argon - i89 (EnergyNorth)	0.37	0.48	0.58	44	≤0.30	NO	NO	NO	NO