

All values listed are NFRC certified with no grids. The addition of grids may alter the test information slightly. 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
Manchester / Crusader / AdvantEdge Awning	366 - argon - clear (Energy 3S)	0.26	0.18	0.42	61	≤0.30	YES	YES	YES	YES
	272 - argon - clear (Energy Basic)	0.27	0.28	0.47	60	≤0.30	YES	YES	NO	NO
	366 - argon - i89 (Energy Max)	0.23	0.18	0.41	48	≤0.30	YES	YES	YES	YES
	272 - argon - i89 (Energy Plus)	0.24	0.27	0.46	47	≤0.30	YES	YES	NO	NO
	180 - argon - i89 (EnergyNorth)	0.24	0.41	0.50	47	≤0.30	YES	NO	NO	NO
Manchester / Crusader / AdvantEdge Casement	366 - argon - clear (Energy 3S)	0.26	0.18	0.42	62	≤0.30	YES	YES	YES	YES
	272 - argon - clear (Energy Basic)	0.26	0.28	0.47	62	≤0.30	YES	YES	NO	NO
	366 - argon - i89 (Energy Max)	0.23	0.18	0.41	49	≤0.30	YES	YES	YES	YES
	272 - argon - i89 (Energy Plus)	0.23	0.27	0.46	49	≤0.30	YES	YES	NO	NO
	180 - argon - i89 (EnergyNorth)	0.23	0.41	0.50	48	≤0.30	YES	NO	NO	NO
Manchester / Crusader / AdvantEdge Casement Picture Window	366 - argon - clear (Energy 3S)	0.26	0.21	0.50	62	≤0.30	YES	YES	YES	YES
	272 - argon - clear (Energy Basic)	0.26	0.32	0.56	62	≤0.30	YES	YES	NO	NO
	366 - argon - i89 (Energy Max)	0.22	0.21	0.49	49	≤0.30	YES	YES	YES	YES
	272 - argon - i89 (Energy Plus)	0.22	0.32	0.54	49	≤0.30	YES	YES	NO	NO
	180 - argon - i89 (EnergyNorth)	0.23	0.48	0.60	48	≤0.30	YES	NO	NO	NO
Manchester / Crusader / AdvantEdge Double Hung	366 - argon - clear (Energy 3S)	0.28	0.22	0.50	58	≤0.30	NO	YES	YES	YES
	272 - argon - clear (Energy Basic)	0.29	0.32	0.56	58	≤0.30	NO	YES	NO	NO
	366 - argon - i89 (Energy Max)	0.25	0.21	0.49	47	≤0.30	YES	YES	YES	YES
	272 - argon - i89 (Energy Plus)	0.25	0.32	0.55	46	≤0.30	YES	YES	NO	NO
	180 - argon - i89 (EnergyNorth)	0.26	0.49	0.60	45	≤0.30	YES	NO	NO	NO
Manchester / Crusader / AdvantEdge Picture Window	366 - argon - clear (Energy 3S)	0.26	0.23	0.53	61	≤0.30	YES	YES	YES	YES
	272 - argon - clear (Energy Basic)	0.27	0.34	0.59	61	≤0.30	YES	YES	NO	NO
	366 - argon - i89 (Energy Max)	0.22	0.22	0.52	48	≤0.30	YES	YES	YES	YES
	272 - argon - i89 (Energy Plus)	0.23	0.34	0.58	48	≤0.30	YES	YES	NO	NO
	180 - argon - i89 (EnergyNorth)	0.23	0.51	0.63	47	≤0.30	YES	NO	NO	NO
Manchester / Crusader / AdvantEdge Direct Set Narrow	366 - argon - clear (Energy 3S)	0.28	0.24	0.55	61	≤0.30	NO	YES	YES	YES
	272 - argon - clear (Energy Basic)	0.28	0.36	0.61	61	≤0.30	YES	YES	NO	NO
	366 - argon - i89 (Energy Max)	0.23	0.23	0.54	51	≤0.30	YES	YES	YES	YES
	272 - argon - i89 (Energy Plus)	0.23	0.35	0.60	51	≤0.30	YES	YES	NO	NO
	180 - argon - i89 (EnergyNorth)	0.24	0.54	0.66	50	≤0.30	YES	NO	NO	NO
Manchester / Crusader / AdvantEdge Single Hung	366 - argon - clear (Energy 3S)	0.29	0.22	0.51	59	≤0.30	NO	YES	YES	YES
	272 - argon - clear (Energy Basic)	0.29	0.33	0.56	58	≤0.30	NO	YES	NO	NO
	366 - argon - i89 (Energy Max)	0.25	0.21	0.49	47	≤0.30	YES	YES	YES	YES
	272 - argon - i89 (Energy Plus)	0.25	0.32	0.55	47	≤0.30	YES	YES	NO	NO
	180 - argon - i89 (EnergyNorth)	0.26	0.49	0.61	46	≤0.30	YES	NO	NO	NO
Manchester / Crusader / AdvantEdge Horizontal Slider	366 - argon - clear (Energy 3S)	0.28	0.22	0.50	60	≤0.30	NO	YES	YES	YES
	272 - argon - clear (Energy Basic)	0.29	0.33	0.56	59	≤0.30	NO	YES	NO	NO
	366 - argon - i89 (Energy Max)	0.24	0.21	0.49	48	≤0.30	YES	YES	YES	YES
	272 - argon - i89 (Energy Plus)	0.25	0.32	0.55	47	≤0.30	YES	YES	NO	NO
	180 - argon - i89 (EnergyNorth)	0.26	0.49	0.60	46	≤0.30	YES	NO	NO	NO
V200 Awning	366 - argon - clear (Energy 3S)	0.26	0.18	0.42	61	≤0.30	YES	YES	YES	YES
	272 - argon - clear (Energy Basic)	0.27	0.28	0.47	60	≤0.30	YES	YES	NO	NO
	366 - argon - i89 (Energy Max)	0.23	0.18	0.41	48	≤0.30	YES	YES	YES	YES
	272 - argon - i89 (Energy Plus)	0.24	0.27	0.46	47	≤0.30	YES	YES	NO	NO
	180 - argon - i89 (EnergyNorth)	0.24	0.41	0.50	47	≤0.30	YES	NO	NO	NO
V200 Casement	366 - argon - clear (Energy 3S)	0.26	0.18	0.42	62	≤0.30	YES	YES	YES	YES
	272 - argon - clear (Energy Basic)	0.26	0.28	0.47	62	≤0.30	YES	YES	NO	NO
	366 - argon - i89 (Energy Max)	0.23	0.18	0.41	49	≤0.30	YES	YES	YES	YES
	272 - argon - i89 (Energy Plus)	0.23	0.27	0.46	49	≤0.30	YES	YES	NO	NO
	180 - argon - i89 (EnergyNorth)	0.23	0.41	0.50	48	≤0.30	YES	NO	NO	NO
V200 Casement Picture Window	366 - argon - clear (Energy 3S)	0.26	0.21	0.50	62	≤0.30	YES	YES	YES	YES
	272 - argon - clear (Energy Basic)	0.26	0.32	0.56	62	≤0.30	YES	YES	NO	NO
	366 - argon - i89 (Energy Max)	0.22	0.21	0.49	49	≤0.30	YES	YES	YES	YES
	272 - argon - i89 (Energy Plus)	0.22	0.32	0.54	49	≤0.30	YES	YES	NO	NO
	180 - argon - i89 (EnergyNorth)	0.23	0.48	0.60	48	≤0.30	YES	NO	NO	NO
V200 Double Hung	366 - argon - clear (Energy 3S)	0.28	0.22	0.50	58	≤0.30	NO	YES	YES	YES
	272 - argon - clear (Energy Basic)	0.29	0.32	0.56	58	≤0.30	NO	YES	NO	NO
	366 - argon - i89 (Energy Max)	0.25	0.21	0.49	47	≤0.30	YES	YES	YES	YES
	272 - argon - i89 (Energy Plus)	0.25	0.32	0.55	46	≤0.30	YES	YES	NO	NO
	180 - argon - i89 (EnergyNorth)	0.26	0.49	0.60	45	≤0.30	YES	NO	NO	NO
V200 Picture Window	366 - argon - clear (Energy 3S)	0.26	0.23	0.53	61	≤0.30	YES	YES	YES	YES
	272 - argon - clear (Energy Basic)	0.27	0.34	0.59	61	≤0.30	YES	YES	NO	NO
	366 - argon - i89 (Energy Max)	0.22	0.22	0.52	48	≤0.30	YES	YES	YES	YES
	272 - argon - i89 (Energy Plus)	0.23	0.34	0.58	48	≤0.30	YES	YES	NO	NO
	180 - argon - i89 (EnergyNorth)	0.23	0.51	0.63	47	≤0.30	YES	NO	NO	NO
V200 Direct Set Narrow	366 - argon - clear (Energy 3S)	0.28	0.24	0.55	61	≤0.30	NO	YES	YES	YES
	272 - argon - clear (Energy Basic)	0.28	0.36	0.61	61	≤0.30	YES	YES	NO	NO
	366 - argon - i89 (Energy Max)	0.23	0.23	0.54	51	≤0.30	YES	YES	YES	YES
	272 - argon - i89 (Energy Plus)	0.23	0.35	0.60	51	≤0.30	YES	YES	NO	NO
	180 - argon - i89 (EnergyNorth)	0.24	0.54	0.66	50	≤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
V200 Single Hung	366 - argon - clear (Energy 3S)	0.29	0.22	0.51	59	≤0.30	NO	YES	YES	YES
	272 - argon - clear (Energy Basic)	0.29	0.33	0.56	58	≤0.30	NO	YES	NO	NO
	366 - argon - i89 (Energy Max)	0.25	0.21	0.49	47	≤0.30	YES	YES	YES	YES
	272 - argon - i89 (Energy Plus)	0.25	0.32	0.55	47	≤0.30	YES	YES	NO	NO
	180 - argon - i89 (EnergyNorth)	0.26	0.49	0.61	46	≤0.30	YES	NO	NO	NO
V200 Horizontal Slider	366 - argon - clear (Energy 3S)	0.28	0.22	0.50	60	≤0.30	NO	YES	YES	YES
	272 - argon - clear (Energy Basic)	0.29	0.33	0.56	59	≤0.30	NO	YES	NO	NO
	366 - argon - i89 (Energy Max)	0.24	0.21	0.49	48	≤0.30	YES	YES	YES	YES
	272 - argon - i89 (Energy Plus)	0.25	0.32	0.55	47	≤0.30	YES	YES	NO	NO
	180 - argon - i89 (EnergyNorth)	0.26	0.49	0.60	46	≤0.30	YES	NO	NO	NO
V300 / VuPoint Casement	366 - argon - clear (Energy 3S)	0.26	0.18	0.41	62	≤0.30	YES	YES	YES	YES
	272 - argon - clear (Energy Basic)	0.27	0.27	0.45	61	≤0.30	YES	YES	NO	NO
	366 - argon - i89 (Energy MAX)	0.23	0.17	0.40	50	≤0.30	YES	YES	YES	YES
	272 - argon - i89 (Energy Plus)	0.23	0.26	0.44	49	≤0.30	YES	YES	NO	NO
	180 - argon - i89 (EnergyNorth)	0.24	0.40	0.49	49	≤0.30	YES	YES	NO	NO
V300 / VuPoint Awning	366 - argon - clear (Energy 3S)	0.27	0.18	0.41	58	≤0.30	YES	YES	YES	YES
	272 - argon - clear (Energy Basic)	0.27	0.27	0.45	58	≤0.30	YES	YES	NO	NO
	366 - argon - i89 (Energy MAX)	0.24	0.17	0.40	47	≤0.30	YES	YES	YES	YES
	272 - argon - i89 (Energy Plus)	0.24	0.26	0.44	46	≤0.30	YES	YES	NO	NO
	180 - argon - i89 (EnergyNorth)	0.25	0.40	0.49	45	≤0.30	YES	YES	NO	NO
V300 / VuPoint Direct Set	366 - argon - clear (Energy 3S)	0.26	0.23	0.55	60	≤0.30	YES	YES	YES	YES
	272 - argon - clear (Energy Basic)	0.27	0.35	0.61	60	≤0.30	YES	YES	NO	NO
	366 - argon - i89 (Energy MAX)	0.22	0.23	0.54	50	≤0.30	YES	YES	YES	YES
	272 - argon - i89 (Energy Plus)	0.22	0.35	0.60	50	≤0.30	YES	YES	NO	NO
	180 - argon - i89 (EnergyNorth)	0.23	0.53	0.66	49	≤0.30	YES	NO	NO	NO
V300 / VuPoint Picture Window-tall	366 - argon - clear (Energy 3S)	0.26	0.21	0.49	62	≤0.30	YES	YES	YES	YES
	272 - argon - clear (Energy Basic)	0.27	0.32	0.55	62	≤0.30	YES	YES	NO	NO
	366 - argon - i89 (Energy MAX)	0.22	0.20	0.48	50	≤0.30	YES	YES	YES	YES
	272 - argon - i89 (Energy Plus)	0.22	0.31	0.53	49	≤0.30	YES	YES	NO	NO
	180 - argon - i89 (EnergyNorth)	0.23	0.48	0.59	49	≤0.30	YES	NO	NO	NO
Manchester / Crusader / AdvantEdge Sliding Door	366 - argon - clear (Energy 3S)	0.28	0.22	0.51	61	≤0.30	NO	YES	YES	YES
	272 - argon - clear (Energy Basic)	0.29	0.33	0.57	61	≤0.30	NO	YES	NO	NO
	366 - argon - i89 (Energy Max)	0.24	0.21	0.50	50	≤0.30	YES	YES	YES	YES
	272 - argon - i89 (Energy Plus)	0.24	0.32	0.56	49	≤0.30	YES	YES	NO	NO
	180 - argon - i89 (EnergyNorth)	0.25	0.50	0.61	49	≤0.30	YES	NO	NO	NO
V100 Sliding Door	366 - argon - clear (Energy 3S)	0.28	0.22	0.53	59	≤0.30	NO	YES	YES	YES
	272 - argon - clear (Energy Basic)	0.29	0.34	0.59	59	≤0.30	NO	YES	NO	NO