

Vinyl Products	Quaker Glass Package	U-Value	SHGC (Solar Heat Gain)	VT	CR	Air Infiltration	Energy Star 6 Meets Criterion			
							N	NC	SC	S
Manchester, Crusader, AdvantEdge E4 Awning	Energy 3S	0.26	0.18	0.42	61	≤0.30	YES	YES	YES	YES
	Energy Basic	0.27	0.28	0.47	60	≤0.30	YES	YES	NO	NO
	EnergyMax	0.23	0.18	0.41	48	≤0.30	YES	YES	YES	YES
	EnergyPlus	0.24	0.27	0.46	47	≤0.30	YES	YES	NO	NO
	EnergyNorth	0.24	0.41	0.50	47	≤0.30	YES	NO	NO	NO
Manchester, Crusader, AdvantEdge E4 Casement	Energy 3S	0.26	0.18	0.42	62	≤0.30	YES	YES	YES	YES
	Energy Basic	0.26	0.28	0.47	62	≤0.30	YES	YES	NO	NO
	EnergyMax	0.23	0.18	0.41	49	≤0.30	YES	YES	YES	YES
	EnergyPlus	0.23	0.27	0.46	49	≤0.30	YES	YES	NO	NO
	EnergyNorth	0.23	0.41	0.50	48	≤0.30	YES	NO	NO	NO
Manchester, Crusader, AdvantEdge E4 Casement Picture Window	Energy 3S	0.26	0.21	0.50	62	≤0.30	YES	YES	YES	YES
	Energy Basic	0.26	0.32	0.56	62	≤0.30	YES	YES	NO	NO
	EnergyMax	0.22	0.21	0.49	49	≤0.30	YES	YES	YES	YES
	EnergyPlus	0.22	0.32	0.54	49	≤0.30	YES	YES	NO	NO
	EnergyNorth	0.23	0.48	0.60	48	≤0.30	YES	NO	NO	NO
Manchester, Crusader, AdvantEdge E4 Double Hung	Energy 3S	0.28	0.22	0.50	58	≤0.30	NO	YES	YES	YES
	Energy Basic	0.29	0.32	0.56	58	≤0.30	NO	YES	NO	NO
	EnergyMax	0.25	0.21	0.49	47	≤0.30	YES	YES	YES	YES
	EnergyPlus	0.25	0.32	0.55	46	≤0.30	YES	YES	NO	NO
	EnergyNorth	0.26	0.49	0.60	45	≤0.30	YES	NO	NO	NO
Manchester, Crusader, AdvantEdge E4 Hung & Slider Picture Window	Energy 3S	0.26	0.23	0.53	61	≤0.30	YES	YES	YES	YES
	Energy Basic	0.27	0.34	0.59	61	≤0.30	YES	YES	NO	NO
	EnergyMax	0.22	0.22	0.52	48	≤0.30	YES	YES	YES	YES
	EnergyPlus	0.23	0.34	0.58	48	≤0.30	YES	YES	NO	NO
	EnergyNorth	0.23	0.51	0.63	47	≤0.30	YES	NO	NO	NO
Manchester, Crusader, AdvantEdge E4 Direct Set Picture Window	Energy 3S	0.28	0.24	0.55	61	≤0.30	NO	YES	YES	YES
	Energy Basic	0.28	0.36	0.61	61	≤0.30	YES	YES	NO	NO
	EnergyMax	0.23	0.23	0.54	51	≤0.30	YES	YES	YES	YES
	EnergyPlus	0.23	0.35	0.60	51	≤0.30	YES	YES	NO	NO
	EnergyNorth	0.24	0.54	0.66	50	≤0.30	YES	NO	NO	NO
Manchester, Crusader, AdvantEdge E4 Single Hung	Energy 3S	0.29	0.22	0.51	59	≤0.30	NO	YES	YES	YES
	Energy Basic	0.29	0.33	0.56	58	≤0.30	NO	YES	NO	NO
	EnergyMax	0.25	0.21	0.49	47	≤0.30	YES	YES	YES	YES
	EnergyPlus	0.25	0.32	0.55	47	≤0.30	YES	YES	NO	NO
	EnergyNorth	0.26	0.49	0.61	46	≤0.30	YES	NO	NO	NO
Manchester, Crusader, AdvantEdge E4 Horizontal Slider	Energy 3S	0.28	0.22	0.50	60	≤0.30	NO	YES	YES	YES
	Energy Basic	0.29	0.33	0.56	59	≤0.30	NO	YES	NO	NO
	EnergyMax	0.24	0.21	0.49	48	≤0.30	YES	YES	YES	YES
	EnergyPlus	0.25	0.32	0.55	47	≤0.30	YES	YES	NO	NO
	EnergyNorth	0.26	0.49	0.60	46	≤0.30	YES	NO	NO	NO
VuPoint Awning	Energy 3S	0.27	0.18	0.41	58	≤0.30	YES	YES	YES	YES
	Energy Basic	0.27	0.27	0.45	58	≤0.30	YES	YES	NO	NO
	EnergyMax	0.24	0.17	0.40	47	≤0.30	YES	YES	YES	YES
	EnergyPlus	0.24	0.26	0.44	46	≤0.30	YES	YES	NO	NO
	EnergyNorth	0.25	0.40	0.49	45	≤0.30	YES	YES	NO	NO
VuPoint Casement	Energy 3S	0.26	0.18	0.41	62	≤0.30	YES	YES	YES	YES
	Energy Basic	0.27	0.27	0.45	61	≤0.30	YES	YES	NO	NO
	EnergyMax	0.23	0.17	0.40	50	≤0.30	YES	YES	YES	YES
	EnergyPlus	0.23	0.26	0.44	49	≤0.30	YES	YES	NO	NO
	EnergyNorth	0.24	0.40	0.49	49	≤0.30	YES	YES	NO	NO
VuPoint Picture Window	Energy 3S	0.26	0.23	0.55	60	≤0.30	YES	YES	YES	YES
	Energy Basic	0.27	0.35	0.61	60	≤0.30	YES	YES	NO	NO
	EnergyMax	0.22	0.23	0.54	50	≤0.30	YES	YES	YES	YES
	EnergyPlus	0.22	0.35	0.60	50	≤0.30	YES	YES	NO	NO
	EnergyNorth	0.23	0.53	0.66	49	≤0.30	YES	NO	NO	NO
Manchester, Crusader, AdvantEdge E4 Sliding Patio Door	Energy 3S	0.28	0.22	0.51	61	≤0.30	NO	YES	YES	YES
	Energy Basic	0.29	0.33	0.57	61	≤0.30	NO	YES	NO	NO
	EnergyMax	0.24	0.21	0.50	50	≤0.30	YES	YES	YES	YES
	EnergyPlus	0.24	0.32	0.56	49	≤0.30	YES	YES	NO	NO
	EnergyNorth	0.25	0.50	0.61	49	≤0.30	YES	NO	NO	NO