



VINYL WINDOWS & DOORS

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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
MANCHESTER AWNING	1/8"	3/4"	180 - argon - i89 (Energy North)	0.26	0.41	0.50	46	Y	N	N	N
	1/8"	3/4"	240 - argon - i89 (Energy Enhanced)	0.25	0.17	0.25	46	Y	Y	Y	Y
	1/8"	3/4"	272 - argon - clear (Energy Basic)	0.28	0.28	0.47	59	N	Y	N	N
	1/8"	3/4"	272 - argon - i89 (Energy Plus)	0.25	0.27	0.46	47	Y	Y	N	N
	1/8"	3/4"	366 - argon - clear (Energy 3S)	0.28	0.18	0.42	60	N	Y	Y	Y
	1/8"	3/4"	366 - argon - i89 (Energy Max)	0.25	0.18	0.41	47	Y	Y	Y	Y
MANCHESTER CASEMENT	1/8"	3/4"	180 - argon - i89 (Energy North)	0.25	0.41	0.50	47	Y	N	N	N
	1/8"	3/4"	240 - argon - i89 (Energy Enhanced)	0.25	0.17	0.25	47	Y	Y	Y	Y
	1/8"	3/4"	272 - argon - clear (Energy Basic)	0.28	0.28	0.47	60	N	Y	N	N
	1/8"	3/4"	272 - argon - i89 (Energy Plus)	0.25	0.27	0.46	47	Y	Y	N	N
	1/8"	3/4"	366 - argon - clear (Energy 3S)	0.28	0.18	0.42	61	N	Y	Y	Y
	1/8"	3/4"	366 - argon - i89 (Energy Max)	0.24	0.18	0.41	48	Y	Y	Y	Y
MANCHESTER CASEMENT PICTURE WINDOW	1/8"	3/4"	180 - argon - i89 (Energy North)	0.23	0.49	0.60	47	Y	N	N	N
	1/8"	3/4"	240 - argon - i89 (Energy Enhanced)	0.23	0.19	0.30	47	Y	Y	Y	Y
	1/8"	3/4"	272 - argon - clear (Energy Basic)	0.27	0.32	0.56	61	Y	Y	N	N
	1/8"	3/4"	272 - argon - i89 (Energy Plus)	0.23	0.32	0.54	48	Y	Y	N	N
	1/8"	3/4"	366 - argon - clear (Energy 3S)	0.26	0.21	0.50	61	Y	Y	Y	Y
	1/8"	3/4"	366 - argon - i89 (Energy Max)	0.22	0.21	0.49	48	Y	Y	Y	Y
MANCHESTER DIRECT SET NARROW PICTURE WINDOW	1/8"	1"	180 - argon - i89 (Energy North)	0.24	0.54	0.66	50	Y	N	N	N
	1/8"	1"	272 - argon - clear (Energy Basic)	0.28	0.36	0.61	61	Y	Y	N	N
	1/8"	1"	272 - argon - i89 (Energy Plus)	0.23	0.35	0.60	51	Y	Y	N	N
	1/8"	1"	366 - argon - clear (Energy 3S)	0.28	0.24	0.55	61	N	Y	Y	Y
	1/8"	1"	366 - argon - i89 (Energy Max)	0.23	0.23	0.54	51	Y	Y	Y	Y
MANCHESTER DOUBLE HUNG	1/8"	3/4"	180 - argon - i89 (Energy North)	0.25	0.49	0.60	45	Y	N	N	N
	1/8"	3/4"	240 - argon - i89 (Energy Enhanced)	0.25	0.19	0.30	46	Y	Y	Y	Y
	1/8"	3/4"	272 - argon - clear (Energy Basic)	0.29	0.32	0.56	58	N	Y	N	N
	1/8"	3/4"	272 - argon - i89 (Energy Plus)	0.25	0.32	0.55	46	Y	Y	N	N
	1/8"	3/4"	366 - argon - clear (Energy 3S)	0.28	0.21	0.50	58	N	Y	Y	Y
	1/8"	3/4"	366 - argon - i89 (Energy Max)	0.24	0.21	0.49	47	Y	Y	Y	Y
MANCHESTER HORIZONTAL SLIDER	1/8"	3/4"	180 - argon - i89 (Energy North)	0.26	0.49	0.60	46	Y	N	N	N
	1/8"	3/4"	272 - argon - clear (Energy Basic)	0.29	0.33	0.56	59	N	Y	N	N
	1/8"	3/4"	272 - argon - i89 (Energy Plus)	0.25	0.32	0.55	47	Y	Y	N	N
	1/8"	3/4"	366 - argon - clear (Energy 3S)	0.28	0.22	0.50	60	N	Y	Y	Y
	1/8"	3/4"	366 - argon - i89 (Energy Max)	0.24	0.21	0.49	48	Y	Y	Y	Y
MANCHESTER PICTURE WINDOW	1/8"	3/4"	180 - argon - i89 (Energy North)	0.23	0.52	0.63	46	Y	N	N	N
	1/8"	3/4"	240 - argon - i89 (Energy Enhanced)	0.23	0.20	0.32	46	Y	Y	Y	Y
	1/8"	3/4"	272 - argon - clear (Energy Basic)	0.27	0.34	0.59	60	Y	Y	N	N
	1/8"	3/4"	272 - argon - i89 (Energy Plus)	0.23	0.34	0.58	47	Y	Y	N	N
	1/8"	3/4"	366 - argon - clear (Energy 3S)	0.27	0.23	0.53	60	Y	Y	Y	Y
	1/8"	3/4"	366 - argon - i89 (Energy Max)	0.22	0.22	0.52	47	Y	Y	Y	Y
MANCHESTER SINGLE HUNG	1/8"	3/4"	180 - argon - i89 (Energy North)	0.26	0.49	0.60	46	Y	N	N	N
	1/8"	3/4"	240 - argon - i89 (Energy Enhanced)	0.26	0.19	0.30	47	Y	Y	Y	Y
	1/8"	3/4"	272 - argon - clear (Energy Basic)	0.30	0.33	0.56	59	N	Y	N	N
	1/8"	3/4"	272 - argon - i89 (Energy Plus)	0.25	0.32	0.55	47	Y	Y	N	N
	1/8"	3/4"	366 - argon - clear (Energy 3S)	0.29	0.22	0.51	60	N	Y	Y	Y
	1/8"	3/4"	366 - argon - i89 (Energy Max)	0.25	0.21	0.49	48	Y	Y	Y	Y
MANCHESTER SLIDING DOOR	1/8"	1"	180 - argon - i89 (Energy North)	0.25	0.50	0.61	48	N	N	N	N
	1/8"	1"	240 - argon - i89 (Energy Enhanced)	0.25	0.19	0.31	48	Y	Y	Y	Y
	1/8"	1"	272 - argon - clear (Energy Basic)	0.29	0.33	0.57	60	N	Y	N	N
	1/8"	1"	272 - argon - i89 (Energy Plus)	0.25	0.32	0.56	49	Y	Y	N	N
	1/8"	1"	366 - argon - clear (Energy 3S)	0.29	0.22	0.51	61	N	Y	Y	Y
	1/8"	1"	366 - argon - i89 (Energy Max)	0.24	0.21	0.50	49	Y	Y	Y	Y



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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
ADVANTEDGE AWNING	1/8"	3/4"	180 - argon - i89 (Energy North)	0.26	0.41	0.50	46	Y	N	N	N
	1/8"	3/4"	240 - argon - i89 (Energy Enhanced)	0.25	0.17	0.25	46	Y	Y	Y	Y
	1/8"	3/4"	272 - argon - clear (Energy Basic)	0.28	0.28	0.47	59	N	Y	N	N
	1/8"	3/4"	272 - argon - i89 (Energy Plus)	0.25	0.27	0.46	47	Y	Y	N	N
	1/8"	3/4"	366 - argon - clear (Energy 3S)	0.28	0.18	0.42	60	N	Y	Y	Y
	1/8"	3/4"	366 - argon - i89 (Energy Max)	0.25	0.18	0.41	47	Y	Y	Y	Y
ADVANTEDGE CASEMENT	1/8"	3/4"	180 - argon - i89 (Energy North)	0.25	0.41	0.50	47	Y	N	N	N
	1/8"	3/4"	240 - argon - i89 (Energy Enhanced)	0.25	0.17	0.25	47	Y	Y	Y	Y
	1/8"	3/4"	272 - argon - clear (Energy Basic)	0.28	0.28	0.47	60	N	Y	N	N
	1/8"	3/4"	272 - argon - i89 (Energy Plus)	0.25	0.27	0.46	47	Y	Y	N	N
	1/8"	3/4"	366 - argon - clear (Energy 3S)	0.28	0.18	0.42	61	N	Y	Y	Y
	1/8"	3/4"	366 - argon - i89 (Energy Max)	0.24	0.18	0.41	48	Y	Y	Y	Y
ADVANTEDGE CASEMENT PICTURE WINDOW	1/8"	3/4"	180 - argon - i89 (Energy North)	0.23	0.49	0.60	47	Y	N	N	N
	1/8"	3/4"	240 - argon - i89 (Energy Enhanced)	0.23	0.19	0.30	47	Y	Y	Y	Y
	1/8"	3/4"	272 - argon - clear (Energy Basic)	0.27	0.32	0.56	61	Y	Y	N	N
	1/8"	3/4"	272 - argon - i89 (Energy Plus)	0.23	0.32	0.54	48	Y	Y	N	N
	1/8"	3/4"	366 - argon - clear (Energy 3S)	0.26	0.21	0.50	61	Y	Y	Y	Y
	1/8"	3/4"	366 - argon - i89 (Energy Max)	0.22	0.21	0.49	48	Y	Y	Y	Y
ADVANTEDGE DIRECT SET NARROW PICTURE WINDOW	1/8"	1"	180 - argon - i89 (Energy North)	0.24	0.54	0.66	50	Y	N	N	N
	1/8"	1"	272 - argon - clear (Energy Basic)	0.28	0.36	0.61	61	Y	Y	N	N
	1/8"	1"	272 - argon - i89 (Energy Plus)	0.23	0.35	0.60	51	Y	Y	N	N
	1/8"	1"	366 - argon - clear (Energy 3S)	0.28	0.24	0.55	61	N	Y	Y	Y
	1/8"	1"	366 - argon - i89 (Energy Max)	0.23	0.23	0.54	51	Y	Y	Y	Y
ADVANTEDGE DOUBLE HUNG	1/8"	3/4"	180 - argon - i89 (Energy North)	0.25	0.49	0.60	45	Y	N	N	N
	1/8"	3/4"	240 - argon - i89 (Energy Enhanced)	0.25	0.19	0.30	46	Y	Y	Y	Y
	1/8"	3/4"	272 - argon - clear (Energy Basic)	0.29	0.32	0.56	58	N	Y	N	N
	1/8"	3/4"	272 - argon - i89 (Energy Plus)	0.25	0.32	0.55	46	Y	Y	N	N
	1/8"	3/4"	366 - argon - clear (Energy 3S)	0.28	0.21	0.50	58	N	Y	Y	Y
	1/8"	3/4"	366 - argon - i89 (Energy Max)	0.24	0.21	0.49	47	Y	Y	Y	Y
ADVANTEDGE HORIZONTAL SLIDER	1/8"	3/4"	180 - argon - i89 (Energy North)	0.26	0.49	0.60	46	Y	N	N	N
	1/8"	3/4"	272 - argon - clear (Energy Basic)	0.29	0.33	0.56	59	N	Y	N	N
	1/8"	3/4"	272 - argon - i89 (Energy Plus)	0.25	0.32	0.55	47	Y	Y	N	N
	1/8"	3/4"	366 - argon - clear (Energy 3S)	0.28	0.22	0.50	60	N	Y	Y	Y
	1/8"	3/4"	366 - argon - i89 (Energy Max)	0.24	0.21	0.49	48	Y	Y	Y	Y
ADVANTEDGE PICTURE WINDOW	1/8"	3/4"	180 - argon - i89 (Energy North)	0.23	0.52	0.63	46	Y	N	N	N
	1/8"	3/4"	240 - argon - i89 (Energy Enhanced)	0.23	0.20	0.32	46	Y	Y	Y	Y
	1/8"	3/4"	272 - argon - clear (Energy Basic)	0.27	0.34	0.59	60	Y	Y	N	N
	1/8"	3/4"	272 - argon - i89 (Energy Plus)	0.23	0.34	0.58	47	Y	Y	N	N
	1/8"	3/4"	366 - argon - clear (Energy 3S)	0.27	0.23	0.53	60	Y	Y	Y	Y
	1/8"	3/4"	366 - argon - i89 (Energy Max)	0.22	0.22	0.52	47	Y	Y	Y	Y
ADVANTEDGE SINGLE HUNG	1/8"	3/4"	180 - argon - i89 (Energy North)	0.26	0.49	0.60	46	Y	N	N	N
	1/8"	3/4"	240 - argon - i89 (Energy Enhanced)	0.26	0.19	0.30	47	Y	Y	Y	Y
	1/8"	3/4"	272 - argon - clear (Energy Basic)	0.30	0.33	0.56	59	N	Y	N	N
	1/8"	3/4"	272 - argon - i89 (Energy Plus)	0.25	0.32	0.55	47	Y	Y	N	N
	1/8"	3/4"	366 - argon - clear (Energy 3S)	0.29	0.22	0.51	60	N	Y	Y	Y
	1/8"	3/4"	366 - argon - i89 (Energy Max)	0.25	0.21	0.49	48	Y	Y	Y	Y
ADVANTEDGE SLIDING DOOR	1/8"	1"	180 - argon - i89 (Energy North)	0.25	0.50	0.61	48	N	N	N	N
	1/8"	1"	240 - argon - i89 (Energy Enhanced)	0.25	0.19	0.31	48	Y	Y	Y	Y
	1/8"	1"	272 - argon - clear (Energy Basic)	0.29	0.33	0.57	60	N	Y	N	N
	1/8"	1"	272 - argon - i89 (Energy Plus)	0.25	0.32	0.56	49	Y	Y	N	N
	1/8"	1"	366 - argon - clear (Energy 3S)	0.29	0.22	0.51	61	N	Y	Y	Y
	1/8"	1"	366 - argon - i89 (Energy Max)	0.24	0.21	0.50	49	Y	Y	Y	Y
V100 DIRECT SET PICTURE WINDOW	3/32"	3/4"	180 - argon - i89 (Energy North)	0.24	0.53	0.65	42	Y	N	N	N
	3/32"	3/4"	272 - argon - clear (Energy Basic)	0.28	0.35	0.60	56	N	Y	N	N
	3/32"	3/4"	272 - argon - i89 (Energy Plus)	0.23	0.34	0.59	43	Y	Y	N	N
	3/32"	3/4"	366 - argon - clear (Energy 3S)	0.27	0.23	0.54	56	Y	Y	Y	Y
	3/32"	3/4"	366 - argon - i89 (Energy MAX)	0.23	0.23	0.53	43	Y	Y	Y	Y



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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
V100 HORIZONTAL SLIDER	3/32"	3/4"	180 - argon - i89 (Energy North)	0.26	0.50	0.61	48	Y	N	N	N
	3/32"	3/4"	272 - argon - clear (Energy Basic)	0.30	0.33	0.57	61	N	Y	N	N
	3/32"	3/4"	272 - argon - i89 (Energy Plus)	0.26	0.32	0.55	48	Y	Y	N	N
	3/32"	3/4"	366 - argon - clear (Energy 3S)	0.29	0.22	0.51	61	N	Y	Y	Y
	3/32"	3/4"	366 - argon - i89 (Energy MAX)	0.25	0.21	0.50	49	Y	Y	Y	Y
V100 SINGLE HUNG	3/32"	3/4"	180 - argon - i89 (Energy North)	0.26	0.51	0.63	46	Y	N	N	N
	3/32"	3/4"	272 - argon - clear (Energy Basic)	0.30	0.34	0.58	59	N	N	N	N
	3/32"	3/4"	272 - argon - i89 (Energy Plus)	0.26	0.33	0.57	47	Y	Y	N	N
	3/32"	3/4"	366 - argon - clear (Energy 3S)	0.30	0.22	0.52	60	N	Y	Y	Y
	3/32"	3/4"	366 - argon - i89 (Energy MAX)	0.25	0.22	0.51	47	Y	Y	Y	Y
V100 SLIDING DOOR	1/8"	1"	272 - argon - clear (Energy Basic)	0.29	0.34	0.59	59	N	Y	N	N
	5/32"	1"	272 - argon - clear (Energy Basic)	0.28	0.34	0.58	58	Y	Y	N	N
	1/8"	1"	366 - argon - clear (Energy 3S)	0.28	0.22	0.53	59	N	Y	Y	Y
	5/32"	1"	366 - argon - clear (Energy 3S)	0.28	0.23	0.53	59	N	Y	Y	Y
VUPOINT AWNING	1/8"	1"	180 - argon - i89 (Energy North)	0.25	0.40	0.49	45	Y	Y	N	N
	1/8"	1"	272 - argon - clear (Energy Basic)	0.27	0.27	0.45	58	Y	Y	N	N
	1/8"	1"	272 - argon - i89 (Energy Plus)	0.24	0.26	0.44	46	Y	Y	N	N
	1/8"	1"	366 - argon - clear (Energy 3S)	0.27	0.18	0.41	58	Y	Y	Y	Y
	1/8"	1"	366 - argon - i89 (Energy MAX)	0.24	0.17	0.40	47	Y	Y	Y	Y
VUPOINT CASEMENT	1/8"	1"	180 - argon - i89 (Energy North)	0.24	0.40	0.49	49	Y	Y	N	N
	1/8"	1"	272 - argon - clear (Energy Basic)	0.27	0.27	0.45	61	Y	Y	N	N
	1/8"	1"	272 - argon - i89 (Energy Plus)	0.23	0.26	0.44	49	Y	Y	N	N
	1/8"	1"	366 - argon - clear (Energy 3S)	0.26	0.18	0.41	62	Y	Y	Y	Y
	1/8"	1"	366 - argon - i89 (Energy MAX)	0.23	0.17	0.40	50	Y	Y	Y	Y
VUPOINT DIRECT SET PICTURE WINDOW	1/8"	1"	180 - argon - i89 (Energy North)	0.23	0.53	0.66	49	Y	N	N	N
	1/8"	1"	272 - argon - clear (Energy Basic)	0.27	0.35	0.61	60	Y	Y	N	N
	1/8"	1"	272 - argon - i89 (Energy Plus)	0.22	0.35	0.60	50	Y	Y	N	N
	1/8"	1"	366 - argon - clear (Energy 3S)	0.26	0.23	0.55	60	Y	Y	Y	Y
	1/8"	1"	366 - argon - i89 (Energy MAX)	0.22	0.23	0.54	50	Y	Y	Y	Y
VUPOINT PICTURE WINDOW (TALL)	1/8"	1"	180 - argon - i89 (Energy North)	0.23	0.48	0.59	49	Y	N	N	N
	1/8"	1"	272 - argon - clear (Energy Basic)	0.27	0.32	0.55	62	Y	Y	N	N
	1/8"	1"	272 - argon - i89 (Energy Plus)	0.22	0.31	0.53	49	Y	Y	N	N
	1/8"	1"	366 - argon - clear (Energy 3S)	0.26	0.21	0.49	62	Y	Y	Y	Y
	1/8"	1"	366 - argon - i89 (Energy MAX)	0.22	0.20	0.48	50	Y	Y	Y	Y