

Model/Style	Product Name	Layers of Glazing	Energy Rating	ENERGY STAR Zone(s)	ENERGY STAR Most Efficient 2016	U-factor (W/m <sup>2</sup> - K)	U-factor (Btu/h/ft <sup>2</sup> - °F)	Solar Heat Gain (SHGC)	Visible Transmittance	Air Leakage Infiltration (l/s*m <sup>2</sup> )	Air Leakage Exfiltration (l/s*m <sup>2</sup> )	Energy Efficiency Verification Reference
100 Casement	Cl-air-Cl-arg-PlanLUX iu	3	37	1 2 3	Y	1.25	0.22	0.43	0.5	0.26	0.29	VID-N-1-00053-00001
100 Casement	Cl-air-Cl-arg-PlanLUX iu Divider	3	35	1 2 3	N	1.25	0.22	0.39	0.45	0.26	0.29	VID-N-1-00053-00002
100 Casement	Cl-air-Cl-arg-PlanLUX ss	3	37	1 2 3	Y	1.25	0.22	0.43	0.5	0.26	0.29	VID-N-1-00054-00001
100 Casement	Cl-air-Cl-arg-PlanLUX ss Divider	3	35	1 2 3	N	1.25	0.22	0.39	0.45	0.26	0.29	VID-N-1-00054-00002
100 Casement	Cl-arg-PlanLUX-arg-PlanLUX iu	3	40	1 2 3	Y	1.08	0.19	0.42	0.49	0.26	0.29	VID-N-1-00057-00001
100 Casement	Cl-arg-PlanLUX-arg-PlanLUX iu Divider	3	38	1 2 3	Y	1.08	0.19	0.38	0.45	0.26	0.29	VID-N-1-00057-00002
100 Casement	Cl-arg-PlanLUX-arg-PlanLUX ss	3	41	1 2 3	Y	1.02	0.18	0.42	0.49	0.26	0.29	VID-N-1-00058-00001
100 Casement	Cl-arg-PlanLUX-arg-PlanLUX ss Divider	3	39	1 2 3	Y	1.02	0.18	0.38	0.45	0.26	0.29	VID-N-1-00058-00002
100 Casement	Cl-arg-PlanLUX iu	2	32	1 2	N	1.59	0.28	0.48	0.54	0.26	0.29	VID-N-1-00049-00001
100 Casement	Cl-arg-PlanLUX iu Divider	2	30	1 2	N	1.59	0.28	0.44	0.49	0.26	0.29	VID-N-1-00049-00002
100 Casement	Cl-arg-PlanLUX ss	2	32	1 2	N	1.59	0.28	0.48	0.54	0.26	0.29	VID-N-1-00050-00001
100 Casement	Cl-arg-PlanLUX ss Divider	2	30	1 2	N	1.59	0.28	0.44	0.49	0.26	0.29	VID-N-1-00050-00002
100 Casement	SB60-arg-Cl-air-Cl iu	3	26	1 2	N	1.25	0.22	0.25	0.44	0.26	0.29	VID-N-1-00033-00001
100 Casement	SB60-arg-Cl-air-Cl iu Divider	3	25	1 2	N	1.25	0.22	0.23	0.4	0.26	0.29	VID-N-1-00033-00002
100 Casement	SB60-arg-Cl-air-Cl ss	3	26	1 2	N	1.25	0.22	0.25	0.44	0.26	0.29	VID-N-1-00034-00001
100 Casement	SB60-arg-Cl-air-Cl ss Divider	3	25	1 2	N	1.25	0.22	0.23	0.4	0.26	0.29	VID-N-1-00034-00002
100 Casement	SB60-arg-Cl-arg-SB60 iu	3	30	1 2 3	Y	1.02	0.18	0.23	0.39	0.26	0.29	VID-N-1-00037-00001
100 Casement	SB60-arg-Cl-arg-SB60 iu Divider	3	29	1 2 3	Y	1.02	0.18	0.21	0.35	0.26	0.29	VID-N-1-00037-00002
100 Casement	SB60-arg-Cl-arg-SB60 ss	3	31	1 2 3	Y	0.97	0.17	0.23	0.39	0.26	0.29	VID-N-1-00038-00001
100 Casement	SB60-arg-Cl-arg-SB60 ss Divider	3	30	1 2 3	Y	0.97	0.17	0.21	0.35	0.26	0.29	VID-N-1-00038-00002
100 Casement	SB60-arg-Cl iu	2	21	1	N	1.53	0.27	0.27	0.49	0.26	0.29	VID-N-1-00029-00001
100 Casement	SB60-arg-Cl iu Divider	2	20	1	N	1.53	0.27	0.25	0.44	0.26	0.29	VID-N-1-00029-00002
100 Casement	SB60-arg-Cl ss	2	21	1	N	1.53	0.27	0.27	0.49	0.26	0.29	VID-N-1-00030-00001
100 Casement	SB60-arg-Cl ss Divider	2	20	1	N	1.53	0.27	0.25	0.44	0.26	0.29	VID-N-1-00030-00002
100 Casement	SB60-arg-SB60-arg-Cl iu	3	30	1 2 3	Y	1.02	0.18	0.22	0.39	0.26	0.29	VID-N-1-00039-00001
100 Casement	SB60-arg-SB60-arg-Cl iu Divider	3	29	1 2 3	Y	1.02	0.18	0.2	0.35	0.26	0.29	VID-N-1-00039-00002
100 Casement	SB60-arg-SB60-arg-Cl ss	3	31	1 2 3	Y	0.97	0.17	0.22	0.39	0.26	0.29	VID-N-1-00040-00001
100 Casement	SB60-arg-SB60-arg-Cl ss Divider	3	30	1 2 3	Y	0.97	0.17	0.2	0.35	0.26	0.29	VID-N-1-00040-00002

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150 Awning	Cl-air-Cl-arg-PlanLUX iu	3	36	1 2 3	Y	1.31	0.23	0.43	0.5	0.09	0.1	VID-N-2-00049-00001
150 Awning	Cl-air-Cl-arg-PlanLUX iu Divider	3	34	1 2 3	N	1.31	0.23	0.39	0.45	0.09	0.1	VID-N-2-00049-00002
150 Awning	Cl-air-Cl-arg-PlanLUX ss	3	37	1 2 3	Y	1.25	0.22	0.43	0.5	0.09	0.1	VID-N-2-00050-00001
150 Awning	Cl-air-Cl-arg-PlanLUX ss Divider	3	35	1 2 3	N	1.25	0.22	0.39	0.45	0.09	0.1	VID-N-2-00050-00002
150 Awning	Cl-arg-PlanLUX-arg-PlanLUX iu	3	40	1 2 3	Y	1.08	0.19	0.42	0.49	0.09	0.1	VID-N-2-00053-00001
150 Awning	Cl-arg-PlanLUX-arg-PlanLUX iu Divider	3	38	1 2 3	Y	1.08	0.19	0.38	0.45	0.09	0.1	VID-N-2-00053-00002
150 Awning	Cl-arg-PlanLUX-arg-PlanLUX ss	3	40	1 2 3	Y	1.08	0.19	0.42	0.49	0.09	0.1	VID-N-2-00054-00001
150 Awning	Cl-arg-PlanLUX-arg-PlanLUX ss Divider	3	38	1 2 3	Y	1.08	0.19	0.38	0.45	0.09	0.1	VID-N-2-00054-00002
150 Awning	Cl-arg-PlanLUX iu	2	33	1 2	N	1.59	0.28	0.48	0.54	0.09	0.1	VID-N-2-00045-00001
150 Awning	Cl-arg-PlanLUX iu Divider	2	30	1 2	N	1.59	0.28	0.44	0.49	0.09	0.1	VID-N-2-00045-00002
150 Awning	Cl-arg-PlanLUX ss	2	33	1 2	N	1.59	0.28	0.48	0.54	0.09	0.1	VID-N-2-00046-00001
150 Awning	Cl-arg-PlanLUX ss Divider	2	30	1 2	N	1.59	0.28	0.44	0.49	0.09	0.1	VID-N-2-00046-00002
150 Awning	SB60-arg-Cl-air-Cl iu	3	27	1 2	N	1.25	0.22	0.25	0.44	0.09	0.1	VID-N-2-00029-00001
150 Awning	SB60-arg-Cl-air-Cl iu Divider	3	26	1 2	N	1.25	0.22	0.23	0.4	0.09	0.1	VID-N-2-00029-00002
150 Awning	SB60-arg-Cl-air-Cl ss	3	27	1 2	N	1.25	0.22	0.25	0.44	0.09	0.1	VID-N-2-00030-00001
150 Awning	SB60-arg-Cl-air-Cl ss Divider	3	26	1 2	N	1.25	0.22	0.23	0.4	0.09	0.1	VID-N-2-00030-00002
150 Awning	SB60-arg-Cl-arg-SB60 iu	3	31	1 2 3	Y	1.02	0.18	0.23	0.39	0.09	0.1	VID-N-2-00033-00001
150 Awning	SB60-arg-Cl-arg-SB60 iu Divider	3	30	1 2 3	Y	1.02	0.18	0.21	0.35	0.09	0.1	VID-N-2-00033-00002
150 Awning	SB60-arg-Cl-arg-SB60 ss	3	31	1 2 3	Y	1.02	0.18	0.23	0.39	0.09	0.1	VID-N-2-00034-00001
150 Awning	SB60-arg-Cl-arg-SB60 ss Divider	3	30	1 2 3	Y	1.02	0.18	0.21	0.35	0.09	0.1	VID-N-2-00034-00002
150 Awning	SB60-arg-Cl iu	2	22	1	N	1.53	0.27	0.27	0.49	0.09	0.1	VID-N-2-00025-00001
150 Awning	SB60-arg-Cl iu Divider	2	21	1	N	1.53	0.27	0.25	0.44	0.09	0.1	VID-N-2-00025-00002
150 Awning	SB60-arg-Cl ss	2	22	1	N	1.53	0.27	0.27	0.49	0.09	0.1	VID-N-2-00026-00001
150 Awning	SB60-arg-Cl ss Divider	2	21	1	N	1.53	0.27	0.25	0.44	0.09	0.1	VID-N-2-00026-00002
150 Awning	SB60-arg-SB60-arg-Cl iu	3	30	1 2 3	Y	1.02	0.18	0.22	0.39	0.09	0.1	VID-N-2-00035-00001
150 Awning	SB60-arg-SB60-arg-Cl iu Divider	3	29	1 2 3	Y	1.02	0.18	0.2	0.35	0.09	0.1	VID-N-2-00035-00002
150 Awning	SB60-arg-SB60-arg-Cl ss	3	30	1 2 3	Y	1.02	0.18	0.22	0.39	0.09	0.1	VID-N-2-00036-00001
150 Awning	SB60-arg-SB60-arg-Cl ss Divider	3	29	1 2 3	Y	1.02	0.18	0.2	0.35	0.09	0.1	VID-N-2-00036-00002

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201 Single Hung	Cl-air-Cl-arg-PlanLUX iu	3	32	1 2	N	1.65	0.29	0.5	0.58	0.43	0.29	VID-N-3-00092-00001
201 Single Hung	Cl-air-Cl-arg-PlanLUX ss	3	32	1 2	N	1.65	0.29	0.5	0.58	0.43	0.29	VID-N-3-00093-00001
201 Single Hung	Cl-air-Cl-kry-PlanLUX iu	3	38	1 2 3	Y	1.36	0.24	0.49	0.58	0.43	0.29	VID-N-3-00100-00001
201 Single Hung	Cl-air-Cl-kry-PlanLUX ss	3	38	1 2 3	Y	1.36	0.24	0.49	0.58	0.43	0.29	VID-N-3-00101-00001
201 Single Hung	Cl-arg-PlanLUX-arg-PlanLUX iu	3	38	1 2 3	Y	1.36	0.24	0.49	0.58	0.43	0.29	VID-N-3-00096-00001
201 Single Hung	Cl-arg-PlanLUX-arg-PlanLUX ss	3	38	1 2 3	Y	1.36	0.24	0.49	0.58	0.43	0.29	VID-N-3-00097-00001
201 Single Hung	Cl-arg-PlanLUX iu	2	35	1 2 3	N	1.65	0.29	0.56	0.64	0.43	0.29	VID-N-3-00088-00001
201 Single Hung	Cl-arg-PlanLUX iu Divider<1"	2	32	1 2	N	1.65	0.29	0.5	0.57	0.43	0.29	VID-N-3-00088-00002
201 Single Hung	Cl-arg-PlanLUX iu Divider>1"	2	29	1 2	N	1.65	0.29	0.45	0.5	0.43	0.29	VID-N-3-00088-00003
201 Single Hung	Cl-arg-PlanLUX ss	2	35	1 2 3	N	1.65	0.29	0.56	0.64	0.43	0.29	VID-N-3-00089-00001
201 Single Hung	Cl-arg-PlanLUX ss Divider<1"	2	32	1 2	N	1.65	0.29	0.5	0.57	0.43	0.29	VID-N-3-00089-00002
201 Single Hung	Cl-kry-PlanLUX-kry-PlanLUX iu	3	44	1 2 3	Y	1.08	0.19	0.49	0.58	0.43	0.29	VID-N-3-00104-00001
201 Single Hung	Cl-kry-PlanLUX-kry-PlanLUX ss	3	44	1 2 3	Y	1.08	0.19	0.49	0.58	0.43	0.29	VID-N-3-00105-00001
201 Single Hung	SB60-arg-Cl-air-Cl iu	3	21	1	N	1.59	0.28	0.29	0.52	0.43	0.29	VID-N-3-00054-00001
201 Single Hung	SB60-arg-Cl-air-Cl ss	3	21	1	N	1.59	0.28	0.29	0.52	0.43	0.29	VID-N-3-00055-00001
201 Single Hung	SB60-arg-Cl-arg-SB60 iu	3	26	1 2	N	1.31	0.23	0.27	0.46	0.43	0.29	VID-N-3-00062-00001
201 Single Hung	SB60-arg-Cl-arg-SB60 ss	3	26	1 2	N	1.31	0.23	0.27	0.46	0.43	0.29	VID-N-3-00063-00001
201 Single Hung	SB60-arg-Cl iu	2	22	1	N	1.59	0.28	0.31	0.57	0.43	0.29	VID-N-3-00050-00001
201 Single Hung	SB60-arg-Cl iu Divider < 1"	2	21	1	N	1.59	0.28	0.28	0.51	0.43	0.29	VID-N-3-00050-00002
201 Single Hung	SB60-arg-Cl iu Divider > 1"	2	19	1	N	1.59	0.28	0.25	0.45	0.43	0.29	VID-N-3-00050-00003
201 Single Hung	SB60-arg-Cl ss	2	22	1	N	1.59	0.28	0.31	0.57	0.43	0.29	VID-N-3-00051-00001
201 Single Hung	SB60-arg-Cl ss Divider < 1"	2	21	1	N	1.59	0.28	0.28	0.51	0.43	0.29	VID-N-3-00051-00002
201 Single Hung	SB60-arg-SB60-arg-Cl iu	3	26	1 2	N	1.31	0.23	0.26	0.46	0.43	0.29	VID-N-3-00068-00001
201 Single Hung	SB60-arg-SB60-arg-Cl ss	3	26	1 2	N	1.31	0.23	0.26	0.46	0.43	0.29	VID-N-3-00069-00001
201 Single Hung	SB60-kry-Cl-air-Cl iu	3	27	1 2	N	1.31	0.23	0.29	0.52	0.43	0.29	VID-N-3-00058-00001
201 Single Hung	SB60-kry-Cl-air-Cl ss	3	27	1 2	N	1.31	0.23	0.29	0.52	0.43	0.29	VID-N-3-00059-00001
201 Single Hung	SB60-kry-Cl-kry-SB60 iu	3	32	1 2 3	Y	1.02	0.18	0.27	0.46	0.43	0.29	VID-N-3-00066-00001
201 Single Hung	SB60-kry-Cl-kry-SB60 ss	3	32	1 2 3	Y	1.02	0.18	0.27	0.46	0.43	0.29	VID-N-3-00067-00001
201 Single Hung	SB60-kry-SB60-kry-Cl iu	3	31	1 2 3	Y	1.02	0.18	0.25	0.46	0.43	0.29	VID-N-3-00070-00001
201 Single Hung	SB60-kry-SB60-kry-Cl ss	3	31	1 2 3	Y	1.02	0.18	0.25	0.46	0.43	0.29	VID-N-3-00071-00001

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210C Double Hung	Cl-air-Cl-arg-PlanLUX iu	3	31	1 2	N	1.65	0.29	0.48	0.56	0.43	0.31	VID-N-16-00095-00001
210C Double Hung	Cl-air-Cl-arg-PlanLUX ss	3	31	1 2	N	1.65	0.29	0.48	0.56	0.43	0.31	VID-N-16-00096-00001
210C Double Hung	Cl-air-Cl-kry-PlanLUX iu	3	36	1 2 3	Y	1.42	0.25	0.48	0.56	0.43	0.31	VID-N-16-00103-00001
210C Double Hung	Cl-air-Cl-kry-PlanLUX ss	3	36	1 2 3	Y	1.42	0.25	0.48	0.56	0.43	0.31	VID-N-16-00104-00001
210C Double Hung	Cl-arg-PlanLUX-arg-PlanLUX iu	3	36	1 2 3	Y	1.42	0.25	0.48	0.56	0.43	0.31	VID-N-16-00099-00001
210C Double Hung	Cl-arg-PlanLUX-arg-PlanLUX ss	3	36	1 2 3	Y	1.42	0.25	0.48	0.56	0.43	0.31	VID-N-16-00100-00001
210C Double Hung	Cl-arg-PlanLUX iu	2	34	1 2 3	N	1.70	0.3	0.55	0.62	0.43	0.31	VID-N-16-00091-00001
210C Double Hung	Cl-arg-PlanLUX iu Divider<1"	2	30	1 2	N	1.70	0.3	0.49	0.55	0.43	0.31	VID-N-16-00091-00002
210C Double Hung	Cl-arg-PlanLUX iu Divider>1"	2	27	1	N	1.70	0.3	0.44	0.49	0.43	0.31	VID-N-16-00091-00003
210C Double Hung	Cl-arg-PlanLUX ss	2	35	1 2 3	N	1.65	0.29	0.55	0.62	0.43	0.31	VID-N-16-00092-00001
210C Double Hung	Cl-arg-PlanLUX ss Divider<1"	2	31	1 2	N	1.65	0.29	0.49	0.55	0.43	0.31	VID-N-16-00092-00002
210C Double Hung	Cl-kry-PlanLUX-kry-PlanLUX iu	3	42	1 2 3	Y	1.14	0.2	0.48	0.56	0.43	0.31	VID-N-16-00107-00001
210C Double Hung	Cl-kry-PlanLUX-kry-PlanLUX ss	3	42	1 2 3	Y	1.14	0.2	0.48	0.56	0.43	0.31	VID-N-16-00108-00001
210C Double Hung	SB60-arg-Cl iu	2	22	1	N	1.59	0.28	0.31	0.55	0.43	0.31	VID-N-16-00059-00001
210C Double Hung	SB60-arg-Cl iu Divider < 1"	2	21	1	N	1.59	0.28	0.28	0.49	0.43	0.31	VID-N-16-00059-00002
210C Double Hung	SB60-arg-Cl iu Divider > 1"	2	19	1	N	1.59	0.28	0.25	0.44	0.43	0.31	VID-N-16-00059-00003
210C Double Hung	SB60-arg-Cl ss	2	22	1	N	1.59	0.28	0.31	0.55	0.43	0.31	VID-N-16-00060-00001
210C Double Hung	SB60-arg-Cl ss Divider < 1"	2	19	1	N	1.59	0.28	0.25	0.44	0.43	0.31	VID-N-16-00060-00002
210C Double Hung	SB60-arg-SB60-arg-Cl iu	3	24	1 2	N	1.36	0.24	0.25	0.45	0.43	0.31	VID-N-16-00071-00001
210C Double Hung	SB60-arg-SB60-arg-Cl ss	3	24	1 2	N	1.36	0.24	0.25	0.45	0.43	0.31	VID-N-16-00072-00001
210C Double Hung	SB60-kry-Cl-air-Cl iu	3	26	1 2	N	1.36	0.24	0.29	0.5	0.43	0.31	VID-N-16-00067-00001
210C Double Hung	SB60-kry-Cl-air-Cl ss	3	26	1 2	N	1.36	0.24	0.29	0.5	0.43	0.31	VID-N-16-00068-00001
210C Double Hung	SB60-kry-SB60-kry-Cl iu	3	30	1 2 3	Y	1.08	0.19	0.25	0.45	0.43	0.31	VID-N-16-00075-00001
210C Double Hung	SB60-kry-SB60-kry-Cl ss	3	30	1 2 3	Y	1.08	0.19	0.25	0.45	0.43	0.31	VID-N-16-00076-00001

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275 Single Hung	Cl-arg-PlanLUX iu	2	35	1 2 3	N	1.70	0.3	0.57	0.65	0.41	0.38	VID-N-11-00027-00001
275 Single Hung	Cl-arg-PlanLUX iu Divider	2	31	1 2	N	1.70	0.3	0.51	0.58	0.41	0.38	VID-N-11-00027-00002
275 Single Hung	Cl-arg-PlanLUX ss	2	36	1 2 3	Y	1.65	0.29	0.57	0.65	0.41	0.38	VID-N-11-00028-00001
275 Single Hung	Cl-arg-PlanLUX ss Divider	2	33	1 2	N	1.65	0.29	0.51	0.58	0.41	0.38	VID-N-11-00028-00002
275 Single Hung	SB60-arg-Cl iu	2	23	1	N	1.59	0.28	0.32	0.58	0.41	0.38	VID-N-11-00019-00001
275 Single Hung	SB60-arg-Cl iu Divider	2	21	1	N	1.59	0.28	0.29	0.52	0.41	0.38	VID-N-11-00019-00002
275 Single Hung	SB60-arg-Cl ss	2	23	1	N	1.59	0.28	0.32	0.58	0.41	0.38	VID-N-11-00020-00001
275 Single Hung	SB60-arg-Cl ss Divider	2	21	1	N	1.59	0.28	0.29	0.52	0.41	0.38	VID-N-11-00020-00002
275 Single Hung	SB60-arg-SG600 iu	2	27	1 2	N	1.36	0.24	0.3	0.52	0.41	0.38	VID-N-11-00021-00001
275 Single Hung	SB60-arg-SG600 iu Divider	2	26	1 2	N	1.36	0.24	0.28	0.46	0.41	0.38	VID-N-11-00021-00002
275 Single Hung	SB60-arg-SG600 ss	2	27	1 2	N	1.36	0.24	0.3	0.52	0.41	0.38	VID-N-11-00022-00001
275 Single Hung	SB60-arg-SG600 ss Divider	2	26	1 2	N	1.36	0.24	0.28	0.46	0.41	0.38	VID-N-11-00022-00002

Notes: PlanLUX = Solar Gain SB60 = Solar Shield iu = Stainless Spacer ss = TempSmart Spacer Divider = Grills

Model/Style	Product Name	Layers of Glazing	Energy Rating	ENERGY STAR Zone(s)	ENERGY STAR Most Efficient 2016	U-factor (W/m <sup>2</sup> - K)	U-factor (Btu/h/ft <sup>2</sup> - °F)	Solar Heat Gain (SHGC)	Visible Transmittance	Air Leakage Infiltration (l/s*m <sup>2</sup> )	Air Leakage Exfiltration (l/s*m <sup>2</sup> )	Energy Efficiency Verification Reference
300 Double Slider	Cl-air-Cl-arg-PlanLUX iu	3	29	1 2	N	1.65	0.29	0.48	0.56	1.48	1	VID-N-17-00051-00001
300 Double Slider	Cl-air-Cl-arg-PlanLUX ss	3	29	1 2	N	1.65	0.29	0.48	0.56	1.48	1	VID-N-17-00052-00001
300 Double Slider	Cl-air-Cl-kry-PlanLUX iu	3	33	1 2	N	1.42	0.25	0.47	0.56	1.48	1	VID-N-17-00059-00001
300 Double Slider	Cl-air-Cl-kry-PlanLUX ss	3	33	1 2	N	1.42	0.25	0.47	0.56	1.48	1	VID-N-17-00060-00001
300 Double Slider	Cl-arg-PlanLUX-arg-PlanLUX iu	3	33	1 2	N	1.42	0.25	0.47	0.55	1.48	1	VID-N-17-00055-00001
300 Double Slider	Cl-arg-PlanLUX-arg-PlanLUX ss	3	33	1 2	N	1.42	0.25	0.47	0.55	1.48	1	VID-N-17-00056-00001
300 Double Slider	Cl-arg-PlanLUX iu	2	31	1 2	N	1.70	0.3	0.54	0.61	1.48	1	VID-N-17-00047-00001
300 Double Slider	Cl-arg-PlanLUX iu Divider<1"	2	28	1	N	1.70	0.3	0.48	0.54	1.48	1	VID-N-17-00047-00002
300 Double Slider	Cl-arg-PlanLUX iu Divider>1"	2	25	1	N	1.70	0.3	0.43	0.48	1.48	1	VID-N-17-00047-00003
300 Double Slider	Cl-arg-PlanLUX ss	2	32	1 2	N	1.65	0.29	0.54	0.61	1.48	1	VID-N-17-00048-00001
300 Double Slider	Cl-arg-PlanLUX ss Divider<1"	2	29	1 2	N	1.65	0.29	0.48	0.54	1.48	1	VID-N-17-00048-00002
300 Double Slider	Cl-kry-PlanLUX-kry-PlanLUX iu	3	40	1 2 3	Y	1.14	0.2	0.47	0.55	1.48	1	VID-N-17-00063-00001
300 Double Slider	Cl-kry-PlanLUX-kry-PlanLUX ss	3	40	1 2 3	Y	1.14	0.2	0.47	0.55	1.48	1	VID-N-17-00064-00001
300 Double Slider	SB60-arg-Cl iu	2	20	1	N	1.59	0.28	0.3	0.55	1.48	1	VID-N-17-00015-00001
300 Double Slider	SB60-arg-Cl iu Divider < 1"	2	18	1	N	1.59	0.28	0.27	0.49	1.48	1	VID-N-17-00015-00002
300 Double Slider	SB60-arg-Cl iu Divider > 1"	2	16	1	N	1.59	0.28	0.24	0.43	1.48	1	VID-N-17-00015-00003
300 Double Slider	SB60-arg-Cl ss	2	20	1	N	1.59	0.28	0.3	0.55	1.48	1	VID-N-17-00016-00001
300 Double Slider	SB60-arg-Cl ss Divider < 1"	2	16	1	N	1.59	0.28	0.24	0.43	1.48	1	VID-N-17-00016-00002
300 Double Slider	SB60-arg-SB60-arg-Cl iu	3	22	1 2	N	1.36	0.24	0.25	0.44	1.48	1	VID-N-17-00027-00001
300 Double Slider	SB60-arg-SB60-arg-Cl ss	3	22	1 2	N	1.36	0.24	0.25	0.44	1.48	1	VID-N-17-00028-00001
300 Double Slider	SB60-kry-Cl-air-Cl iu	3	24	1 2	N	1.36	0.24	0.28	0.5	1.48	1	VID-N-17-00023-00001
300 Double Slider	SB60-kry-Cl-air-Cl ss	3	24	1 2	N	1.36	0.24	0.28	0.5	1.48	1	VID-N-17-00024-00001
300 Double Slider	SB60-kry-SB60-kry-Cl iu	3	28	1 2 3	Y	1.08	0.19	0.24	0.44	1.48	1	VID-N-17-00031-00001
300 Double Slider	SB60-kry-SB60-kry-Cl ss	3	28	1 2 3	Y	1.08	0.19	0.24	0.44	1.48	1	VID-N-17-00032-00001

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Model/Style	Product Name	Layers of Glazing	Energy Rating	ENERGY STAR Zone(s)	ENERGY STAR Most Efficient 2016	U-factor (W/m <sup>2</sup> - K)	U-factor (Btu/h/ft <sup>2</sup> - °F)	Solar Heat Gain (SHGC)	Visible Transmittance	Air Leakage Infiltration (l/s*m <sup>2</sup> )	Air Leakage Exfiltration (l/s*m <sup>2</sup> )	Energy Efficiency Verification Reference
301 Single Tilt Slider	Cl-air-Cl-arg-PlanLUX iu	3	32	1 2	N	1.65	0.29	0.5	0.58	0.47	0.43	VID-N-4-00070-00001
301 Single Tilt Slider	Cl-air-Cl-arg-PlanLUX ss	3	32	1 2	N	1.65	0.29	0.5	0.58	0.47	0.43	VID-N-4-00071-00001
301 Single Tilt Slider	Cl-air-Cl-kry-PlanLUX iu	3	38	1 2 3	Y	1.36	0.24	0.49	0.58	0.47	0.43	VID-N-4-00078-00001
301 Single Tilt Slider	Cl-air-Cl-kry-PlanLUX ss	3	38	1 2 3	Y	1.36	0.24	0.49	0.58	0.47	0.43	VID-N-4-00079-00001
301 Single Tilt Slider	Cl-arg-PlanLUX-arg-PlanLUX iu	3	38	1 2 3	Y	1.36	0.24	0.49	0.58	0.47	0.43	VID-N-4-00074-00001
301 Single Tilt Slider	Cl-arg-PlanLUX-arg-PlanLUX ss	3	38	1 2 3	Y	1.36	0.24	0.49	0.58	0.47	0.43	VID-N-4-00075-00001
301 Single Tilt Slider	Cl-arg-PlanLUX iu	2	35	1 2 3	N	1.65	0.29	0.56	0.64	0.47	0.43	VID-N-4-00066-00001
301 Single Tilt Slider	Cl-arg-PlanLUX iu Divider<1"	2	32	1 2	N	1.65	0.29	0.5	0.57	0.47	0.43	VID-N-4-00066-00002
301 Single Tilt Slider	Cl-arg-PlanLUX iu Divider>1"	2	29	1 2	N	1.65	0.29	0.45	0.5	0.47	0.43	VID-N-4-00066-00003
301 Single Tilt Slider	Cl-arg-PlanLUX ss	2	35	1 2 3	N	1.65	0.29	0.56	0.64	0.47	0.43	VID-N-4-00067-00001
301 Single Tilt Slider	Cl-arg-PlanLUX ss Divider<1"	2	32	1 2	N	1.65	0.29	0.5	0.57	0.47	0.43	VID-N-4-00067-00002
301 Single Tilt Slider	Cl-kry-PlanLUX-kry-PlanLUX iu	3	44	1 2 3	Y	1.08	0.19	0.49	0.58	0.47	0.43	VID-N-4-00082-00001
301 Single Tilt Slider	Cl-kry-PlanLUX-kry-PlanLUX ss	3	44	1 2 3	Y	1.08	0.19	0.49	0.58	0.47	0.43	VID-N-4-00083-00001
301 Single Tilt Slider	SB60-arg-Cl-air-Cl iu	3	21	1	N	1.59	0.28	0.29	0.52	0.47	0.43	VID-N-4-00032-00001
301 Single Tilt Slider	SB60-arg-Cl-air-Cl ss	3	21	1	N	1.59	0.28	0.29	0.52	0.47	0.43	VID-N-4-00033-00001
301 Single Tilt Slider	SB60-arg-Cl-arg-SB60 iu	3	26	1 2	N	1.31	0.23	0.27	0.46	0.47	0.43	VID-N-4-00040-00001
301 Single Tilt Slider	SB60-arg-Cl-arg-SB60 ss	3	26	1 2	N	1.31	0.23	0.27	0.46	0.47	0.43	VID-N-4-00041-00001
301 Single Tilt Slider	SB60-arg-Cl iu	2	22	1	N	1.59	0.28	0.31	0.57	0.47	0.43	VID-N-4-00028-00001
301 Single Tilt Slider	SB60-arg-Cl iu Divider < 1"	2	20	1	N	1.59	0.28	0.28	0.51	0.47	0.43	VID-N-4-00028-00002
301 Single Tilt Slider	SB60-arg-Cl iu Divider > 1"	2	19	1	N	1.59	0.28	0.25	0.45	0.47	0.43	VID-N-4-00028-00003
301 Single Tilt Slider	SB60-arg-Cl ss	2	22	1	N	1.59	0.28	0.31	0.57	0.47	0.43	VID-N-4-00029-00001
301 Single Tilt Slider	SB60-arg-Cl ss Divider < 1"	2	20	1	N	1.59	0.28	0.28	0.51	0.47	0.43	VID-N-4-00029-00002
301 Single Tilt Slider	SB60-arg-SB60-arg-Cl iu	3	25	1 2	N	1.31	0.23	0.26	0.46	0.47	0.43	VID-N-4-00046-00001
301 Single Tilt Slider	SB60-arg-SB60-arg-Cl ss	3	25	1 2	N	1.31	0.23	0.26	0.46	0.47	0.43	VID-N-4-00047-00001
301 Single Tilt Slider	SB60-kry-Cl-air-Cl iu	3	27	1 2	N	1.31	0.23	0.29	0.52	0.47	0.43	VID-N-4-00036-00001
301 Single Tilt Slider	SB60-kry-Cl-air-Cl ss	3	27	1 2	N	1.31	0.23	0.29	0.52	0.47	0.43	VID-N-4-00037-00001
301 Single Tilt Slider	SB60-kry-Cl-kry-SB60 iu	3	32	1 2 3	Y	1.02	0.18	0.27	0.46	0.47	0.43	VID-N-4-00044-00001
301 Single Tilt Slider	SB60-kry-Cl-kry-SB60 ss	3	32	1 2 3	Y	1.02	0.18	0.27	0.46	0.47	0.43	VID-N-4-00045-00001
301 Single Tilt Slider	SB60-kry-SB60-kry-Cl iu	3	31	1 2 3	Y	1.02	0.18	0.25	0.46	0.47	0.43	VID-N-4-00048-00001
301 Single Tilt Slider	SB60-kry-SB60-kry-Cl ss	3	31	1 2 3	Y	1.02	0.18	0.25	0.46	0.47	0.43	VID-N-4-00049-00001

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303 Single Lift Slider	Cl-air-Cl-arg-PlanLUX iu	3	31	1 2	N	1.65	0.29	0.49	0.58	0.44	0.49	VID-N-18-00055-00001
303 Single Lift Slider	Cl-air-Cl-arg-PlanLUX ss	3	31	1 2	N	1.65	0.29	0.49	0.58	0.44	0.49	VID-N-18-00056-00001
303 Single Lift Slider	Cl-air-Cl-kry-PlanLUX iu	3	38	1 2 3	Y	1.36	0.24	0.49	0.58	0.44	0.49	VID-N-18-00063-00001
303 Single Lift Slider	Cl-air-Cl-kry-PlanLUX ss	3	38	1 2 3	Y	1.36	0.24	0.49	0.58	0.44	0.49	VID-N-18-00064-00001
303 Single Lift Slider	Cl-arg-PlanLUX-arg-PlanLUX iu	3	38	1 2 3	Y	1.36	0.24	0.49	0.57	0.44	0.49	VID-N-18-00059-00001
303 Single Lift Slider	Cl-arg-PlanLUX-arg-PlanLUX ss	3	38	1 2 3	Y	1.36	0.24	0.49	0.57	0.44	0.49	VID-N-18-00060-00001
303 Single Lift Slider	Cl-arg-PlanLUX iu	2	35	1 2 3	N	1.65	0.29	0.56	0.63	0.44	0.49	VID-N-18-00051-00001
303 Single Lift Slider	Cl-arg-PlanLUX iu Divider<1"	2	32	1 2	N	1.65	0.29	0.5	0.56	0.44	0.49	VID-N-18-00051-00002
303 Single Lift Slider	Cl-arg-PlanLUX iu Divider>1"	2	29	1 2	N	1.65	0.29	0.45	0.5	0.44	0.49	VID-N-18-00051-00003
303 Single Lift Slider	Cl-arg-PlanLUX ss	2	35	1 2 3	N	1.65	0.29	0.56	0.63	0.44	0.49	VID-N-18-00052-00001
303 Single Lift Slider	Cl-arg-PlanLUX ss Divider<1"	2	32	1 2	N	1.65	0.29	0.5	0.56	0.44	0.49	VID-N-18-00052-00002
303 Single Lift Slider	Cl-kry-PlanLUX-kry-PlanLUX iu	3	44	1 2 3	Y	1.08	0.19	0.49	0.57	0.44	0.49	VID-N-18-00067-00001
303 Single Lift Slider	Cl-kry-PlanLUX-kry-PlanLUX ss	3	44	1 2 3	Y	1.08	0.19	0.49	0.57	0.44	0.49	VID-N-18-00068-00001
303 Single Lift Slider	SB60-arg-Cl-air-Cl iu	3	21	1	N	1.59	0.28	0.29	0.51	0.44	0.49	VID-N-18-00019-00001
303 Single Lift Slider	SB60-arg-Cl-air-Cl ss	3	21	1	N	1.59	0.28	0.29	0.51	0.44	0.49	VID-N-18-00020-00001
303 Single Lift Slider	SB60-arg-Cl-arg-SB60 iu	3	26	1 2	N	1.31	0.23	0.27	0.46	0.44	0.49	VID-N-18-00027-00001
303 Single Lift Slider	SB60-arg-Cl-arg-SB60 ss	3	26	1 2	N	1.31	0.23	0.27	0.46	0.44	0.49	VID-N-18-00028-00001
303 Single Lift Slider	SB60-arg-Cl iu	2	22	1	N	1.59	0.28	0.31	0.57	0.44	0.49	VID-N-18-00015-00001
303 Single Lift Slider	SB60-arg-Cl iu Divider < 1"	2	20	1	N	1.59	0.28	0.28	0.5	0.44	0.49	VID-N-18-00015-00002
303 Single Lift Slider	SB60-arg-Cl iu Divider > 1"	2	19	1	N	1.59	0.28	0.25	0.45	0.44	0.49	VID-N-18-00015-00003
303 Single Lift Slider	SB60-arg-Cl ss	2	22	1	N	1.59	0.28	0.31	0.57	0.44	0.49	VID-N-18-00016-00001
303 Single Lift Slider	SB60-arg-Cl ss Divider < 1"	2	20	1	N	1.59	0.28	0.28	0.5	0.44	0.49	VID-N-18-00016-00002
303 Single Lift Slider	SB60-arg-SB60-arg-Cl iu	3	25	1 2	N	1.31	0.23	0.25	0.46	0.44	0.49	VID-N-18-00033-00001
303 Single Lift Slider	SB60-arg-SB60-arg-Cl ss	3	25	1 2	N	1.31	0.23	0.25	0.46	0.44	0.49	VID-N-18-00034-00001
303 Single Lift Slider	SB60-kry-Cl-air-Cl iu	3	27	1 2	N	1.31	0.23	0.29	0.51	0.44	0.49	VID-N-18-00023-00001
303 Single Lift Slider	SB60-kry-Cl-air-Cl ss	3	27	1 2	N	1.31	0.23	0.29	0.51	0.44	0.49	VID-N-18-00024-00001
303 Single Lift Slider	SB60-kry-Cl-kry-SB60 iu	3	32	1 2 3	Y	1.02	0.18	0.27	0.46	0.44	0.49	VID-N-18-00031-00001
303 Single Lift Slider	SB60-kry-Cl-kry-SB60 ss	3	32	1 2 3	Y	1.02	0.18	0.27	0.46	0.44	0.49	VID-N-18-00032-00001
303 Single Lift Slider	SB60-kry-SB60-kry-Cl iu	3	31	1 2 3	Y	1.02	0.18	0.25	0.46	0.44	0.49	VID-N-18-00035-00001
303 Single Lift Slider	SB60-kry-SB60-kry-Cl ss	3	31	1 2 3	Y	1.02	0.18	0.25	0.46	0.44	0.49	VID-N-18-00036-00001

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375 Single Tilt Slider	Cl-arg-PlanLUX iu	2	35	1 2 3	N	1.70	0.3	0.57	0.65	0.63	0.46	VID-N-12-00027-00001
375 Single Tilt Slider	Cl-arg-PlanLUX iu Divider	2	31	1 2	N	1.70	0.3	0.51	0.58	0.63	0.46	VID-N-12-00027-00002
375 Single Tilt Slider	Cl-arg-PlanLUX ss	2	35	1 2 3	N	1.70	0.3	0.57	0.65	0.63	0.46	VID-N-12-00028-00001
375 Single Tilt Slider	Cl-arg-PlanLUX ss Divider	2	31	1 2	N	1.70	0.3	0.51	0.58	0.63	0.46	VID-N-12-00028-00002
375 Single Tilt Slider	SB60-arg-Cl iu	2	22	1	N	1.59	0.28	0.32	0.58	0.63	0.46	VID-N-12-00019-00001
375 Single Tilt Slider	SB60-arg-Cl iu Divider	2	21	1	N	1.59	0.28	0.29	0.52	0.63	0.46	VID-N-12-00019-00002
375 Single Tilt Slider	SB60-arg-Cl ss	2	22	1	N	1.59	0.28	0.32	0.58	0.63	0.46	VID-N-12-00020-00001
375 Single Tilt Slider	SB60-arg-Cl ss Divider	2	21	1	N	1.59	0.28	0.29	0.52	0.63	0.46	VID-N-12-00020-00002
375 Single Tilt Slider	SB60-arg-SG600 iu	2	26	1 2	N	1.36	0.24	0.3	0.52	0.63	0.46	VID-N-12-00021-00001
375 Single Tilt Slider	SB60-arg-SG600 iu Divider	2	25	1 2	N	1.36	0.24	0.28	0.46	0.63	0.46	VID-N-12-00021-00002
375 Single Tilt Slider	SB60-arg-SG600 ss	2	26	1 2	N	1.36	0.24	0.3	0.52	0.63	0.46	VID-N-12-00022-00001
375 Single Tilt Slider	SB60-arg-SG600 ss Divider	2	25	1 2	N	1.36	0.24	0.28	0.46	0.63	0.46	VID-N-12-00022-00002

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Model/Style	Product Name	Layers of Glazing	Energy Rating	ENERGY STAR Zone(s)	ENERGY STAR Most Efficient 2016	U-factor (W/m <sup>2</sup> - K)	U-factor (Btu/h/ft <sup>2</sup> - °F)	Solar Heat Gain (SHGC)	Visible Transmittance	Air Leakage Infiltration (l/s*m <sup>2</sup> )	Air Leakage Exfiltration (l/s*m <sup>2</sup> )	Energy Efficiency Verification Reference	Performance Grade
402 Picture	Cl-air-Cl-arg-PlanLUX iu	3	46	1 2 3	Y	1.19	0.21	0.56	0.65	0.13	0.1	VID-N-13-00074-00001	CW-PG55
402 Picture	Cl-air-Cl-arg-PlanLUX iu Divider	3	43	1 2 3	Y	1.19	0.21	0.5	0.59	0.13	0.1	VID-N-13-00074-00002	
402 Picture	Cl-air-Cl-arg-PlanLUX ss	3	46	1 2 3	Y	1.19	0.21	0.56	0.65	0.13	0.1	VID-N-13-00075-00001	
402 Picture	Cl-air-Cl-arg-PlanLUX ss Divider	3	43	1 2 3	Y	1.19	0.21	0.5	0.59	0.13	0.1	VID-N-13-00075-00002	
402 Picture	Cl-arg-PlanLUX-arg-PlanLUX iu	3	52	1 2 3	Y	0.91	0.16	0.55	0.65	0.13	0.1	VID-N-13-00078-00001	
402 Picture	Cl-arg-PlanLUX-arg-PlanLUX iu Divider	3	49	1 2 3	Y	0.91	0.16	0.5	0.59	0.13	0.1	VID-N-13-00078-00002	
402 Picture	Cl-arg-PlanLUX-arg-PlanLUX ss	3	52	1 2 3	Y	0.91	0.16	0.55	0.65	0.13	0.1	VID-N-13-00079-00001	
402 Picture	Cl-arg-PlanLUX-arg-PlanLUX ss Divider	3	49	1 2 3	Y	0.91	0.16	0.5	0.59	0.13	0.1	VID-N-13-00079-00002	
402 Picture	Cl-arg-PlanLUX iu	2	41	1 2 3	Y	1.59	0.28	0.63	0.72	0.13	0.1	VID-N-13-00070-00001	
402 Picture	Cl-arg-PlanLUX iu Divider	2	38	1 2 3	Y	1.59	0.28	0.57	0.65	0.13	0.1	VID-N-13-00070-00002	
402 Picture	Cl-arg-PlanLUX ss	2	41	1 2 3	Y	1.59	0.28	0.63	0.72	0.13	0.1	VID-N-13-00071-00001	
402 Picture	Cl-arg-PlanLUX ss Divider	2	38	1 2 3	Y	1.59	0.28	0.57	0.65	0.13	0.1	VID-N-13-00071-00002	
402 Picture	SB60-arg-Cl-air-Cl iu	3	33	1 2 3	N	1.19	0.21	0.33	0.58	0.13	0.1	VID-N-13-00054-00001	
402 Picture	SB60-arg-Cl-air-Cl iu Divider	3	31	1 2 3	N	1.19	0.21	0.3	0.52	0.13	0.1	VID-N-13-00054-00002	
402 Picture	SB60-arg-Cl-air-Cl ss	3	34	1 2 3	Y	1.14	0.2	0.33	0.58	0.13	0.1	VID-N-13-00055-00001	
402 Picture	SB60-arg-Cl-air-Cl ss Divider	3	32	1 2 3	Y	1.14	0.2	0.3	0.52	0.13	0.1	VID-N-13-00055-00002	
402 Picture	SB60-arg-Cl-arg-SB60 iu	3	39	1 2 3	Y	0.85	0.15	0.3	0.52	0.13	0.1	VID-N-13-00058-00001	
402 Picture	SB60-arg-Cl-arg-SB60 iu Divider	3	37	1 2 3	Y	0.85	0.15	0.28	0.47	0.13	0.1	VID-N-13-00058-00002	
402 Picture	SB60-arg-Cl-arg-SB60 ss	3	39	1 2 3	Y	0.85	0.15	0.3	0.52	0.13	0.1	VID-N-13-00059-00001	
402 Picture	SB60-arg-Cl-arg-SB60 ss Divider	3	37	1 2 3	Y	0.85	0.15	0.28	0.47	0.13	0.1	VID-N-13-00059-00002	
402 Picture	SB60-arg-Cl iu	2	27	1	N	1.53	0.27	0.35	0.64	0.13	0.1	VID-N-13-00050-00001	
402 Picture	SB60-arg-Cl iu Divider	2	25	1	N	1.53	0.27	0.32	0.58	0.13	0.1	VID-N-13-00050-00002	
402 Picture	SB60-arg-Cl ss	2	28	1	N	1.48	0.26	0.35	0.64	0.13	0.1	VID-N-13-00051-00001	
402 Picture	SB60-arg-Cl ss Divider	2	26	1	N	1.48	0.26	0.32	0.58	0.13	0.1	VID-N-13-00051-00002	
402 Picture	SB60-arg-SB60-arg-Cl iu	3	37	1 2 3	Y	0.85	0.15	0.28	0.52	0.13	0.1	VID-N-13-00060-00001	
402 Picture	SB60-arg-SB60-arg-Cl iu Divider	3	36	1 2 3	Y	0.85	0.15	0.26	0.47	0.13	0.1	VID-N-13-00060-00002	
402 Picture	SB60-arg-SB60-arg-Cl ss	3	37	1 2 3	Y	0.85	0.15	0.28	0.52	0.13	0.1	VID-N-13-00061-00001	
402 Picture	SB60-arg-SB60-arg-Cl ss Divider	3	36	1 2 3	Y	0.85	0.15	0.26	0.47	0.13	0.1	VID-N-13-00061-00002	

Notes: PlanLUX = Solar Gain SB60 = Solar Shield iu = Stainless Spacer ss = TempSmart Spacer Divider = Grills

Model/Style	Product Name	Layers of Glazing	Energy Rating	ENERGY STAR Zone(s)	ENERGY STAR Most Efficient 2016	U-factor (W/m <sup>2</sup> - K)	U-factor (Btu/h/ft <sup>2</sup> - °F)	Solar Heat Gain (SHGC)	Visible Transmittance	Air Leakage Infiltration (l/s*m <sup>2</sup> )	Air Leakage Exfiltration (l/s*m <sup>2</sup> )	Energy Efficiency Verification Reference
452 Fixed Casement	Cl-air-Cl-arg-PlanLUX iu	3	43	1 2 3	Y	1.19	0.21	0.5	0.58	0.02	0.03	VID-N-14-00049-00001
452 Fixed Casement	Cl-air-Cl-arg-PlanLUX iu Divider	3	39	1 2 3	Y	1.19	0.21	0.44	0.52	0.02	0.03	VID-N-14-00049-00002
452 Fixed Casement	Cl-air-Cl-arg-PlanLUX ss	3	43	1 2 3	Y	1.19	0.21	0.5	0.58	0.02	0.03	VID-N-14-00050-00001
452 Fixed Casement	Cl-air-Cl-arg-PlanLUX ss Divider	3	39	1 2 3	Y	1.19	0.21	0.44	0.52	0.02	0.03	VID-N-14-00050-00002
452 Fixed Casement	Cl-arg-PlanLUX-arg-PlanLUX iu	3	47	1 2 3	Y	0.97	0.17	0.49	0.58	0.02	0.03	VID-N-14-00053-00001
452 Fixed Casement	Cl-arg-PlanLUX-arg-PlanLUX iu Divider	3	44	1 2 3	Y	0.97	0.17	0.44	0.51	0.02	0.03	VID-N-14-00053-00002
452 Fixed Casement	Cl-arg-PlanLUX-arg-PlanLUX ss	3	47	1 2 3	Y	0.97	0.17	0.49	0.58	0.02	0.03	VID-N-14-00054-00001
452 Fixed Casement	Cl-arg-PlanLUX-arg-PlanLUX ss Divider	3	44	1 2 3	Y	0.97	0.17	0.44	0.51	0.02	0.03	VID-N-14-00054-00002
452 Fixed Casement	Cl-arg-PlanLUX iu	2	38	1 2 3	Y	1.59	0.28	0.56	0.64	0.02	0.03	VID-N-14-00045-00001
452 Fixed Casement	Cl-arg-PlanLUX iu Divider	2	34	1 2 3	N	1.59	0.28	0.5	0.57	0.02	0.03	VID-N-14-00045-00002
452 Fixed Casement	Cl-arg-PlanLUX ss	2	39	1 2 3	Y	1.53	0.27	0.56	0.64	0.02	0.03	VID-N-14-00046-00001
452 Fixed Casement	Cl-arg-PlanLUX ss Divider	2	35	1 2 3	N	1.53	0.27	0.5	0.57	0.02	0.03	VID-N-14-00046-00002
452 Fixed Casement	SB60-arg-Cl-air-Cl iu	3	31	1 2 3	N	1.19	0.21	0.29	0.52	0.02	0.03	VID-N-14-00029-00001
452 Fixed Casement	SB60-arg-Cl-air-Cl iu Divider	3	29	1 2 3	N	1.19	0.21	0.26	0.46	0.02	0.03	VID-N-14-00029-00002
452 Fixed Casement	SB60-arg-Cl-air-Cl ss	3	31	1 2 3	N	1.19	0.21	0.29	0.52	0.02	0.03	VID-N-14-00030-00001
452 Fixed Casement	SB60-arg-Cl-air-Cl ss Divider	3	29	1 2 3	N	1.19	0.21	0.26	0.46	0.02	0.03	VID-N-14-00030-00002
452 Fixed Casement	SB60-arg-Cl-arg-SB60 iu	3	36	1 2 3	Y	0.91	0.16	0.27	0.46	0.02	0.03	VID-N-14-00033-00001
452 Fixed Casement	SB60-arg-Cl-arg-SB60 iu Divider	3	35	1 2 3	Y	0.91	0.16	0.25	0.41	0.02	0.03	VID-N-14-00033-00002
452 Fixed Casement	SB60-arg-Cl-arg-SB60 ss	3	36	1 2 3	Y	0.91	0.16	0.27	0.46	0.02	0.03	VID-N-14-00034-00001
452 Fixed Casement	SB60-arg-Cl-arg-SB60 ss Divider	3	35	1 2 3	Y	0.91	0.16	0.25	0.41	0.02	0.03	VID-N-14-00034-00002
452 Fixed Casement	SB60-arg-Cl iu	2	25	1	N	1.48	0.26	0.31	0.57	0.02	0.03	VID-N-14-00025-00001
452 Fixed Casement	SB60-arg-Cl iu Divider	2	24	1	N	1.48	0.26	0.28	0.51	0.02	0.03	VID-N-14-00025-00002
452 Fixed Casement	SB60-arg-Cl ss	2	25	1	N	1.48	0.26	0.31	0.57	0.02	0.03	VID-N-14-00026-00001
452 Fixed Casement	SB60-arg-Cl ss Divider	2	24	1	N	1.48	0.26	0.28	0.51	0.02	0.03	VID-N-14-00026-00002
452 Fixed Casement	SB60-arg-SB60-arg-Cl iu	3	35	1 2 3	Y	0.91	0.16	0.25	0.46	0.02	0.03	VID-N-14-00035-00001
452 Fixed Casement	SB60-arg-SB60-arg-Cl iu Divider	3	33	1 2 3	Y	0.91	0.16	0.23	0.41	0.02	0.03	VID-N-14-00035-00002
452 Fixed Casement	SB60-arg-SB60-arg-Cl ss	3	35	1 2 3	Y	0.91	0.16	0.25	0.46	0.02	0.03	VID-N-14-00036-00001
452 Fixed Casement	SB60-arg-SB60-arg-Cl ss Divider	3	33	1 2 3	Y	0.91	0.16	0.23	0.41	0.02	0.03	VID-N-14-00036-00002

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Model/Style	Product Name	Layers of Glazing	Energy Rating	ENERGY STAR Zone(s)	ENERGY STAR Most Efficient 2016	U-factor (W/m <sup>2</sup> - K)	U-factor (Btu/h/ft <sup>2</sup> - °F)	Solar Heat Gain (SHGC)	Visible Transmittance	Air Leakage Infiltration (l/s*m <sup>2</sup> )	Air Leakage Exfiltration (l/s*m <sup>2</sup> )	Energy Efficiency Verification Reference
800 Casement	Ultra Casement	3	31	1 2	N	1.42	0.25	0.39	0.68	0.14	0.09	204624
800 Casement	Ultra Casement	2	27	1	N	1.76	0.31	0.43	0.75	0.14	0.09	204624
852 Fixed Casement	Ultra Fixed	3	32	1 2	N	1.36	0.24	0.39	0.68	0.02	0.02	204624
852 Fixed Casement	Ultra Fixed	2	27	1	N	1.70	0.3	0.43	0.75	0.02	0.02	204624
852 Fixed Casement	Ultra Fixed	2	22	1	N	1.59	0.28	0.29	0.71	0.02	0.02	204624

Model	Performance Grade	Water Penetration resistance	CSA Air	Forced Entry
100	R-PG70	720	A3	Grade 10
150	LC-PG65	720	A3	Grade 20
201	R-PG55	400	A3	Grade 10
210	R-PG45	620	A3	Grade 10
275	R-PG35	330	A3	Grade 10
300	R-PG30	220	A2	Grade 10
301	R-PG25	220	A3	Grade 10
303	R-PG50	360	A3	Grade 10
375	R-PG30	220	A2	Grade 10
402	CW-PG55	730	Fixed	Grade 10
452	CW-PG70	730	Fixed	Grade 10
800	CW-PG70	730	A3	Grade 10
852	CW-PG70	730	Fixed	Grade 10