Kohltech
Windows & Entrance Systems

Thermal Performance & Energy Star Ratings

Reviewed for Code Compliance
Inspections Division
Approved with Conditions
Date: 05/05/17

Supreme Casement Narrow Picture

Glass Options	Energy Rating	U-value (metric)	U-value (imperial)	Solar Heat Gain Coefficient	Visible Transmittance	Condensation Resistance	Energy Star Zones 2016
Clear	21	2.6	0.46	0.66	0.70	48	
Clear w Grills	17	2.6	0.46	0.59	0.63	48	
LoE/Argon	38	1.6	0.29	0.60	0.70	57	
LoE/Argon w Grills	35	1.6	0.29	0.55	0.63	57	
Energlas	40	1.6	0.28	0.60	0.70	59	
Energlas w Grills	37	1.6	0.28	0.55	0.63	59	
Triple Clear	35	1.8	0.31	0.61	0.64	62	
Triple Clear w Grills	32	1.8	0.31	0.55	0.58	62	
Triple LoE/Argon x 1 LSG	33	1.1	0.20	0.31	0.56	72	S
Triple LoE/Argon x 1 LSG w Grills	31	1.1	0.20	0.28	0.50	72	NC, SC, S
Energlas Plus Argon LSG	37	0.9	0.15	0.27	0.48	80	N, NC, SC, S
Energlas Plus Argon LSG w Grills	35	0.9	0.15	0.24	0.43	80	N, NC, SC, S
Energlas Plus Argon	50	0.9	0.16	0.52	0.62	78	
Energlas Plus Argon w Grills	47	0.9	0.16	0.47	0.56	7	
LoE/Argon-LSG	26	1.5	0.27	0.34	0.61	58	
LoE/Argon-LSG w Grills	24	1.5	0.27	0.30	0.55	58	NC
Energlas-LSG	27	1.5	0.26	0.34	0.61	61	
Energlas-LSG w Grills	25	1.5	0.26	0.30	0.55	61	NC

Supreme Single Hung

Glass Options	Energy Rating	U-value (metric)	U-value (imperial)	Solar Heat Gain Coefficient	Visible Transmittance	Condensation Resistance	Energy Star Zones 2016
Clear	16	2.7	0.47	0.62	0.64	42	
Clear w Grills	12	2.7	0.47	0.55	0.57	42	
LoE/Argon	32	1.8	0.31	0.55	0.64	54	
LoE/Argon w Grills	29	1.8	0.31	0.50	0.57	54	
Energlas	35	1.6	0.29	0.55	0.64	56	N
Energlas w Grills	32	1.6	0.29	0.50	0.57	56	N
LoE/Argon-LSG	21	1.6	0.29	0.31	0.56	56	, NC
LoE/Argon-LSG w Grills	19	1.6	0.29	0.28	0.50	56	, NC
Energlas-LSG	23	1.5	0.27	0.31	0.55	57	N, NC
Energlas-LSG w Grills	22	1.5	0.27	0.28	0.49	57	N, NC
Triple Clear	28	2.0	0.35	0.56	0.59	55	
Triple Clear w Grills	24	2.0	0.35	0.50	0.53	55	
Triple LoE/Argon x 1	36	1.5	0.26	0.50	0.58	62	N
Triple LoE/Argon x 1 w Grills	29	1.6	0.29	0.45	0.52	62	N
Energlas Plus Argon	39	1.2	0.22	0.48	0.57	67	N
Energlas Plus Argon w Grills	32	1.5	0.26	0.43	0.51	67	N
Energlas Plus Krypton	43	1.1	0.19	0.48	0.57	70	N
Energlas Plus Krypton w Grills	35	1.3	0.23	0.43	0.51	70	N
Triple LoE/Argon x 1 LSG	26	1.4	0.24	0.29	0.51	65	N, NC
Triple LoE/Argon x 1 LSG w Grills	19	1.6	0.28	0.26	0.45	65	, NC
Energlas Plus Argon LSG	27	1.2	0.21	0.25	0.44	69	N, NC, SC, S
Energlas Plus Argon LSG w Grills	21	1.4	0.25	0.23	0.39	69	N, NC, SC, S
Energlas Plus Krypton - LSG	32	1.0	0.17	0.25	0.44	71	N, NC, SC, S
Energlas Plus Krypton - LSG w Grills	25	1.2	0.22	0.23	0.39	71	N, NC, SC, S

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Supreme Casement

Glass Option	Energy Rating	U-value (metric)	U-value (imperial)	Solar Heat Gain Coefficient	Visible Transmittance	Condensation Resistance	Energy Star Zones 2016
Clear	17	2.3	0.41	0.51	0.52	45	
Clear w Grills	14	2.3	0.41	0.51	0.52	45	
LoE/Argon	31	1.6	0.28	0.45	0.52	58	
LoE/Argon w Grills	28	1.8	0.31	0.41	0.47	55	
Energlas	32	1.5	0.27	0.45	0.52	60	
Energlas w Grills	30	1.6	0.28	0.41	0.47	58	
Triple	29	1.6	0.29	0.44	0.48	62	
Triple w Grills	27	1.6	0.29	0.40	0.43	62	
Triple LoE/Argon x 1 LSG	27	1.2	0.21	0.23	0.41	71	N, NC, SC, S
Triple LoE/Argon x 1 LSG w Grills	26	1.2	0.21	0.21	0.37	71	N, NC, SC, S
Energlas Plus Argon LSG	30	1.0	0.17	0.20	0.36	80	N, NC, SC, S
Energlas Plus Argon LSG w Grills	29	1.0	0.17	0.18	0.32	80	N, NC, SC, S
Energlas Plus Argon	40	1.0	0.18	0.39	0.46	78	S
Energlas Plus Argon w Grills	37	1.0	0.18	0.35	0.42	78	S
LoE/Argon-LSG	20	1.5	0.27	0.25	0.45	60	N, NC
LoE/Argon-LSG w Grills	19	1.5	0.27	0.23	0.41	60	N, NC
Energlas-LSG	22	1.5	0.26	0.25	0.45	62	N, NC
Energlas-LSG w Grills	21	1.5	0.26	0.23	0.41	62	N, NC

Supreme Awning

Glass Option	Energy Rating	U-value (metric)	U-value (imperial)	Solar Heat Gain Coefficient	Visible Transmittance	Condensation Resistance	Energy Star Zones 2016
Clear	17	2.3	0.41	0.51	0.52	45	
Clear w Grills	14	2.3	0.41	0.51	0.52	45	
LoE/Argon	31	1.6	0.28	0.45	0.52	58	
LoE/Argon w Grills	28	1.8	0.31	0.41	0.47	55	
Energlas	32	1.5	0.27	0.45	0.52	60	
Energlas w Grills	30	1.6	0.28	0.41	0.47	58	
Triple	29	1.6	0.29	0.44	0.48	62	
Triple w Grills	27	1.6	0.29	0.40	0.43	62	
Triple LoE/Argon x 1 LSG	27	1.2	0.21	0.23	0.41	71	N, NC, SC, S
Triple LoE/Argon x 1 LSG w Grills	26	1.2	0.21	0.21	0.37	71	N, NC, SC, S
Energlas Plus Argon LSG	30	1.0	0.17	0.20	0.36	80	N, NC, SC, S
Energlas Plus Argon LSG w Grills	29	1.0	0.17	0.18	0.32	80	N, NC, SC, S
Energlas Plus Argon	40	1.0	0.18	0.39	0.46	78	S
Energlas Plus Argon w Grills	37	1.0	0.18	0.35	0.42	78	S
LoE/Argon-LSG	20	1.5	0.27	0.25	0.45	60	N, NC
LoE/Argon-LSG w Grills	19	1.5	0.27	0.23	0.41	60	N, NC
Energlas-LSG	22	1.5	0.26	0.25	0.45	62	N, NC
Energlas-LSG w Grills	21	1.5	0.26	0.23	0.41	62	N, NC

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Supreme Double Hung Picture Window

Glass Options	Energy Rating	U-value (metric)	U-value (imperial)	Solar Heat Gain Coefficient	Visible Transmittance	Condensation Resistance	Energy Star Zones 2016
Clear	18	2.6	0.46	0.62	0.65	46	
Clear w Grills	14	2.6	0.46	0.56	0.58	46	
LoE/Argon	35	1.7	0.30	0.56	0.64	57	
LoE/Argon w Grills	31	1.7	0.30	0.50	0.57	57	
Energlas	35	1.6	0.29	0.56	0.64	59	
Energlas w Grills	31	1.6	0.29	0.50	0.57	59	
Triple Clear	24	2.2	0.37	0.56	0.59	53	
Triple LoE/Argon x 1 LSG	22	1.6	0.28	0.29	0.51	62	NC
Energlas Plus Argon LSG	26	1.3	0.23	0.25	0.44	66	N, NC, SC, S
Energlas Plus Krypton LSG	32	1.0	0.18	0.25	0.44	67	N, NC, SC, S
Energlas Plus Argon	36	1.4	0.25	0.48	0.58	66	
Energlas Plus Krypton	43	1.1	0.20	0.48	0.58	67	
LoE/Argon-LSG	23	1.6	0.28	0.31	0.56	59	
LoE/Argon-LSG w Grills	21	1.6	0.28	0.28	0.50	59	NC
Energlas-LSG	24	1.5	0.27	0.31	0.56	61	
Energlas-LSG w Grills	22	1.5	0.27	0.28	0.50	61	NC

Tilt and Turn Window

Glass Options	Energy Rating	U-value (metric)	U-value (imperial)	Solar Heat Gain Coefficient	Visible Transmittance	Condensation Resistance	Energy Star Zones 2016
Clear	18	2.4	0.42	0.53	0.55	45	
Clear w Grills	15	2.4	0.42	0.47	0.48	45	
LoE/Argon	32	1.6	0.28	0.47	0.54	60	N
LoE/Argon w Grills	29	1.6	0.28	0.42	0.48	60	N
Energlas	33	1.5	0.27	0.47	0.54	62	N
Energlas w Grills	31	1.5	0.27	0.42	0.48	62	N
Energlas-LSG	22	1.5	0.26	0.26	0.47	64	N, NC
Energlas-LSG w Grills	21	1.5	0.26	0.24	0.42	64	N, NC, SC, S
Triple LoE/x 1 LSG	24	1.4	0.24	0.24	0.43	70	N, NC, SC, S
Triple LoE/ x 1 LSG w Grills	23	1.4	0.24	0.22	0.38	70	N, NC, SC, S
Triple LoE/Argon x 1 LSG	26	1.2	0.22	0.24	0.43	73	N, NC, SC, S
Triple LoE/Argon x 1 LSG w Grills	25	1.2	0.22	0.22	0.38	73	N, NC, SC, S
Energlas Plus Argon LSG	31	1.0	0.17	0.21	0.37	74	N, NC, SC, S
Energlas Plus Argon LSG w Grills	30	1.0	0.17	0.19	0.33	74	N, NC, SC, S
Energlas Plus Argon	41	1.0	0.18	0.41	0.49	73	N
Energlas Plus Argon w Grills	38	1.0	0.18	0.36	0.43	73	N, NC
Triple Clear	30	1.7	0.30	0.48	0.50	63	N
Triple Clear w Grills	27	1.7	0.30	0.43	0.44	63	N