



2012 Energy Star and CSA Recap



Double Glazed		Energy Performance							CSA-A440 Standard		
Hard Coat LowE	Platinum Series Model	Grills	SHGC	Energy Rating	Umet	Uimp	R Value	ENERGY STAR Zone(s)	AIR	Water	Structural
Awning (single)	AW-CLR-ARG-LOWE-ORDINARY	-	0.46	29	1.7	0.3	3.3	ABC	A3	B7	C5
Awning (single)	AW-CLR-ARG-LOWE-ORDINARY-GRILLS	<1)	0.42	26	1.76	0.31	3.2	AB	A3	B7	C5
Awning (single)	AW-CLR-KRY-LOWE-ORDINARY-GRILLS	<1)	0.43	29	1.65	0.29	3.4	ABC	A3	B7	C5
Awning (single)	AW-CLR-KRY-LOWE-ORDINARY	-	0.46	31	1.65	0.29	3.4	ABC	A3	B7	C5
Cardinal LoE 179											
Awning (single)	AW-LOE-179-ARG-CLR	-	0.41	28	1.65	0.29	3.4	AB	A3	B7	C5
Awning (single)	AW-CLR-ARG-LOE-179	-	0.44	30	1.65	0.29	3.4	ABC	A3	B7	C5
Awning (single)	AW-CLR-ARG-LOE-179-GRILLS	<1)	0.41	27	1.7	0.3	3.3	AB	A3	B7	C5
Awning (single)	AW-CLR-KRY-LOE-179	-	0.44	31	1.59	0.28	3.6	ABC	A3	B7	C5
Awning (single)	AW-CLR-KRY-LOE-179-GRILLS	<1)	0.41	29	1.59	0.28	3.6	ABC	A3	B7	C5
Cardinal LoE 180											
Awning (single)	AW-LOE-180-ARG-CLR	-	0.41	29	1.59	0.28	3.6	ABC	A3	B7	C5
Awning (single)	AW-LOE-180-ARG-CLR-GRILLS	<1)	0.38	26	1.65	0.29	3.4	AB	A3	B7	C5
Awning (single)	AW-LOE-180-KRY-CLR	-	0.41	31	1.53	0.27	3.7	ABC	A3	B7	C5
Awning (single)	AW-LOE-180-KRY-CLR-GRILLS	<1)	0.38	29	1.53	0.27	3.7	ABC	A3	B7	C5
Cardinal LoE272											
Awning (single)	AW-LOE-272-ARG-CLR	-	0.27	22	1.53	0.27	3.7	AB	A3	B7	C5
Awning (single)	AW-LOE-272-ARG-CLR-GRILLS	<1)	0.25	19	1.59	0.28	3.6	AB	A3	B7	C5
Awning (single)	AW-LOE-272-KRY-CLR	-	0.27	23	1.48	0.26	3.8	AB	A3	B7	C5
Awning (single)	AW-LOE-272-KRY-CLR-GRILLS	<1)	0.25	22	1.48	0.26	3.8	AB	A3	B7	C5
Cardinal LoE 366											
Awning (single)	AW-LOE-3-366-ARG-CLR-GRILLS-ORDINARY	<1)	0.17	15	1.59	0.28	3.6	A	A3	B7	C5
Awning (single)	AW-LOE-3-366-ARG-CLR-ORDINARY	-	0.18	17	1.53	0.27	3.7	AB	A3	B7	C5
Awning (single)	AW-LOE-3-366-KRY-CLR-GRILLS-ORDINARY	<1)	0.17	18	1.48	0.26	3.8	AB	A3	B7	C5
Awning (single)	AW-LOE-3-366-KRY-CLR-ORDINARY-ORDINARY	-	0.18	18	1.48	0.26	3.8	AB	A3	B7	C5
Triple Glazed		Energy Performance							CSA-A440 Standard		
Style	Platinum Model	Grills	SHGC	Energy	Umet	Uimp	R Value	STAR	AIR	Water	Structural
Cardinal LoE 179											
Awning (single)	AW-TRI-LOE-179-ARG-CLR-ARG-LOE-179	-	0.36	31	1.36	0.24	4.2	ABC	A3	B7	C5
Awning (single)	AW-TRI-LOE-179-ARG-CLR-ARG-LOE-179-GRILLS	<1)	0.34	29	1.42	0.25	4.0	ABC	A3	B7	C5
Awning (single)	AW-TRI-LOE-179-KRY-CLR-KRY-LOE-179	-	0.36	36	1.14	0.2	5.0	ABCD	A3	B7	C5
Awning (single)	AW-TRI-LOE-179-KRY-CLR-KRY-LOE-179-GRILLS	<1)	0.34	34	1.19	0.21	4.8	ABCD	A3	B7	C5
Awning (single)	AW-TRI-LOE-180-ARG-CLR-ARG-CLR	-	0.37	28	1.53	0.27	3.7	AB	A3	B7	C5
Awning (single)	AW-TRI-LOE-180-ARG-CLR-ARG-CLR-GRILLS	<1)	0.34	26	1.53	0.27	3.7	AB	A3	B7	C5
Cardinal LoE 180											
Awning (single)	AW-TRI-LOE-180-ARG-CLR-ARG-LOE-180	-	0.35	31	1.36	0.24	4.2	ABC	A3	B7	C5
Awning (single)	AW-TRI-LOE-180-ARG-CLR-ARG-LOE-180-GRILLS	<1)	0.33	29	1.36	0.24	4.2	ABC	A3	B7	C5
Awning (single)	AW-TRI-LOE-180-KRY-CLR-KRY-CLR	-	0.38	33	1.31	0.23	4.3	ABC	A3	B7	C5
Awning (single)	AW-TRI-LOE-180-KRY-CLR-KRY-CLR-GRILLS	<1)	0.35	31	1.31	0.23	4.3	ABC	A3	B7	C5
Awning (single)	AW-TRI-LOE-180-KRY-CLR-KRY-LOE-180	-	0.35	36	1.14	0.2	5.0	ABCD	A3	B7	C5
Awning (single)	AW-TRI-LOE-180-KRY-CLR-KRY-LOE-180-GRILLS	<1)	0.33	33	1.19	0.21	4.8	ABCD	A3	B7	C5
Cardinal LoE 272											
Awning (single)	AW-TRI-LOE-272-ARG-CLR-ARG-LOE-272	-	0.23	24	1.31	0.23	4.3	ABC	A3	B7	C5
Awning (single)	AW-TRI-LOE-272-ARG-CLR-ARG-LOE-272-GRILLS	<1)	0.21	23	1.36	0.24	4.2	ABC	A3	B7	C5
Awning (single)	AW-TRI-LOE-272-KRY-CLR-KRY-LOE-272	-	0.23	29	1.08	0.19	5.3	ABCD	A3	B7	C5
Awning (single)	AW-TRI-LOE-272-KRY-CLR-KRY-LOE-272-GRILLS	<1)	0.21	27	1.14	0.2	5.0	ABCD	A3	B7	C5
Cardinal LoE 366											
Awning (single)	AW-TRI-LOE-366-ARG-CLR-ARG-CLR-E-366-GRL-ORDINARY	<1)	0.16	16	1.53	0.27	3.7	A	A3	B7	C5
Awning (single)	AW-TRI-LOE-366-ARG-CLR-ARG-CLR-E-366-ORDINARY	-	0.17	17	1.48	0.26	3.8	AB	A3	B7	C5
Awning (single)	AW-TRI-LOE-366-KRY-CLR-KRY-CLR-E-366-GRL-ORDINARY	<1)	0.16	22	1.25	0.22	4.5	ABC	A3	B7	C5
Awning (single)	AW-TRI-LOE-366-KRY-CLR-KRY-CLR-E-366-ORDINARY	-	0.17	22	1.25	0.22	4.5	ABC	A3	B7	C5
Awning (single)	AW-TRI-LOE-ORDIN-ARG-CLR-ARG-LOE-ORDIN	-	0.36	29	1.42	0.25	4.0	ABC	A3	B7	C5
Awning (single)	AW-TRI-LOE-ORDIN-KRY-CLR-KRY-LOE-ORDIN	-	0.36	34	1.25	0.22	4.5	ABCD	A3	B7	C5



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	Platinum Series Model	Grills	SHGC	Energy Rating	Umet	Uimp	R Value	ENERGY STAR Zone(s)	AIR	Water	Structural	
Hard Coat LowE												
Casement (single)	CM-CLR-ARG-LOWE-ORDINARY-VINYLBILT	-	0.46	29	1.7	0.3	3.3	ABC	A3	B7	C5	
Casement (single)	CM-CLR-KRY-LOWE-ORDINARY-VINYLBILT	-	0.46	30	1.65	0.29	3.4	ABC	A3	B7	C5	
Cardinal LoE 179												
Casement (single)	CM-LOE-179-ARG-CLR	-	0.41	27	1.65	0.29	3.4	AB	A3	B7	C5	
Casement (single)	CM-CLR-ARG-LOE-179	-	0.44	29	1.65	0.29	3.4	ABC	A3	B7	C5	
Casement (single)	CM-CLR-KRY-LOE-179-GRILLS	<1)	0.41	29	1.59	0.28	3.6	ABC	A3	B7	C5	
Casement (single)	CM-CLR-KRY-LOE-179	-	0.44	31	1.59	0.28	3.6	ABC	A3	B7	C5	
Cardinal LoE 180												
Casement (single)	CM-LOE-180-ARG-CLR	-	0.41	29	1.59	0.28	3.6	ABC	A3	B7	C5	
Casement (single)	CM-LOE-180-KRY-CLR	-	0.41	30	1.53	0.27	3.7	ABC	A3	B7	C5	
Casement (single)	CM-LOE-180-ARG-CLR-GRILLS	<1)	0.38	26	1.65	0.29	3.4	AB	A3	B7	C5	
Casement (single)	CM-LOE-180-KRY-CLR-GRILLS	<1)	0.38	28	1.53	0.27	3.7	AB	A3	B7	C5	
Cardinal LoE 272												
Casement (single)	CM-LOE-272-ARG-CLR	-	0.27	21	1.59	0.28	3.6	AB	A3	B7	C5	
Casement (single)	CM-LOE-272-KRY-CLR-GRILLS	<1)	0.25	21	1.53	0.27	3.7	AB	A3	B7	C5	
Cardinal LoE 366												
Casement (single)	CM-LOE-3-366-ARG-CLR-ORDINARY	-	0.18	17	1.53	0.27	3.7	AB	A3	B7	C5	
Casement (single)	CM-LOE-3-366-KRY-CLR-ORDINARY	-	0.18	17	1.53	0.27	3.7	AB	A3	B7	C5	
Casement (single)	CM-LOE-3-366-ARG-CLR-GRILLS-ORDINARY	<1)	0.17	15	1.59	0.28	3.6	A	A3	B7	C5	
Casement (single)	CM-LOE-3-366-KRY-CLR-GRILLS-ORDINARY	<1)	0.17	17	1.48	0.26	3.8	AB	A3	B7	C5	
Triple Glazed		Energy Performance						CSA-A440 Standard				
Style	Platinum Model											
Hard Coat LowE	Model		Grills	SHGC	Energy	Umet	Uimp	R Value	STAR	AIR	Water	Structural
Casement (single)	CM-TRI-CLR-ARG-CLR-ARG-LOWE-ORDINARY		-	0.4	28	1.59	0.28	3.6	AB	A3	B7	C5
Casement (single)	CM-TRI-CLR-KRY-CLR-KRY-LOWE-ORDINARY		-	0.4	33	1.36	0.24	4.2	ABC	A3	B7	C5
Casement (single)	CM-TRI-LOE-ORDIN-ARG-CLR-ARG-LOE-ORDIN		-	0.36	29	1.42	0.25	4.0	ABC	A3	B7	C5
Casement (single)	CM-TRI-LOE-ORDIN-KRY-CLR-KRY-LOE-ORDIN		-	0.36	33	1.25	0.22	4.5	ABC	A3	B7	C5
Cardinal LoE 179												
Casement (single)	CM-TRI-LOE-179-ARG-CLR-ARG-LOE-179		-	0.36	30	1.42	0.25	4.0	ABC	A3	B7	C5
Casement (single)	CM-TRI-LOE-179-ARG-CLR-ARG-LOE-179-GRILLS		<1)	0.34	28	1.48	0.26	3.8	AB	A3	B7	C5
Casement (single)	CM-TRI-LOE-179-KRY-CLR-KRY-LOE-179		-	0.34	33	1.25	0.22	4.5	ABC	A3	B7	C5
Casement (single)	CM-TRI-LOE-179-KRY-CLR-KRY-LOE-179-GRILLS		<1)	0.34	33	1.25	0.22	4.5	ABC	A3	B7	C5
Cardinal LoE 180												
Casement (single)	CM-TRI-LOE-180-ARG-CLR-ARG-CLR		-	0.37	28	1.53	0.27	3.7	AB	A3	B7	C5
Casement (single)	CM-TRI-LOE-180-ARG-CLR-ARG-CLR-GRILLS		<1)	0.34	25	1.59	0.28	3.6	AB	A3	B7	C5
Casement (single)	CM-TRI-LOE-180-ARG-CLR-ARG-LOE-180		-	0.35	30	1.36	0.24	4.2	ABC	A3	B7	C5
Casement (single)	CM-TRI-LOE-180-ARG-CLR-ARG-LOE-180-GRILLS		<1)	0.33	28	1.42	0.25	4.0	ABC	A3	B7	C5
Casement (single)	CM-TRI-LOE-180-KRY-CLR-KRY-CLR		-	0.38	32	1.31	0.23	4.3	ABC	A3	B7	C5
Casement (single)	CM-TRI-LOE-180-KRY-CLR-KRY-CLR-GRILLS		<1)	0.35	30	1.36	0.24	4.2	ABC	A3	B7	C5
Casement (single)	CM-TRI-LOE-180-KRY-CLR-KRY-LOE-180		-	0.35	35	1.14	0.2	5.0	ABCD	A3	B7	C5
Casement (single)	CM-TRI-LOE-180-KRY-CLR-KRY-LOE-180-GRILLS		<1)	0.33	32	1.19	0.21	4.8	ABCD	A3	B7	C5
Cardinal LoE 272												
Casement (single)	CM-TRI-LOE-272-ARG-CLR-ARG-LOE-272-GRILLS		<1)	0.21	22	1.36	0.24	4.2	ABC	A3	B7	C5
Casement (single)	CM-TRI-LOE-272-KRY-CLR-KRY-LOE-272		-	0.23	28	1.14	0.2	5.0	ABCD	A3	B7	C5
Casement (single)	CM-TRI-LOE-272-KRY-CLR-KRY-LOE-272-GRILLS		<1)	0.21	26	1.19	0.21	4.8	ABCD	A3	B7	C5
Cardinal LoE 366												
Casement (single)	CM-LOE-3-366-ARG-CLR-ARG-CLR-GRL-ORDINARY		<1)	0.16	15	1.53	0.27	3.7	A	A3	B7	C5
Casement (single)	CM-LOE-3-366-ARG-CLR-ARG-CLR-ORDINARY		-	0.17	16	1.53	0.27	3.7	A	A3	B7	C5
Casement (single)	CM-LOE-3-366-KRY-CLR-KRY-CLR-GRL-ORDINARY		<1)	0.16	20	1.31	0.23	4.3	AB	A3	B7	C5
Casement (single)	CM-LOE-3-366-KRY-CLR-KRY-CLR-ORDINARY		-	0.17	21	1.31	0.23	4.3	ABC	A3	B7	C5



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Double Glazed		Energy Performance							CSA-A440 Standard		
Hard Coat LowE	Platinum Series Model	Grills	SHGC	Energy Rating	Umet	Uimp	R Value	ENERGY STAR Zone(s)	AIR	Water	Structural
Fixed casement	FC-CLR-ARG-LOWE-ORDINARY	-	0.55	34	1.7	0.3	3.3	ABCD	FIXED	B7	C5
Fixed casement	FC-CLR-KRY-LOWE-ORDINARY	-	0.55	36	1.65	0.29	3.4	ABCD	FIXED	B7	C5
Fixed casement	FC-CLR-ARG-LOWE-ORDINARY-GRILLS	<1)	0.5	30	1.76	0.31	3.2	ABC	FIXED	B7	C5
Fixed casement	FC-CLR-KRY-LOWE-ORDINARY-GRILLS	<1)	0.5	33	1.65	0.29	3.4	ABC	FIXED	B7	C5
Cardinal LoE 179											
Fixed casement	FC-LOE-179-ARG-CLR	-	0.49	33	1.65	0.29	3.4	ABC	FIXED	B7	C5
Fixed casement	FC-CLR-ARG-LOE-179	-	0.53	35	1.65	0.29	3.4	ABCD	FIXED	B7	C5
Fixed casement	FC-CLR-ARG-LOE-179-GRILLS	<1)	0.48	30	1.7	0.3	3.3	ABC	FIXED	B7	C5
Fixed casement	FC-CLR-KRY-LOE-179	-	0.53	36	1.59	0.28	3.6	ABCD	FIXED	B7	C5
Fixed casement	FC-CLR-KRY-LOE-179-GRILLS	<1)	0.48	33	1.59	0.28	3.6	ABC	FIXED	B7	C5
Cardinal LoE 180											
Fixed casement	FC-LOE-180-ARG-CLR	-	0.49	34	1.53	0.27	3.7	ABCD	FIXED	B7	C5
Fixed casement	FC-LOE-180-KRY-CLR	-	0.49	36	1.48	0.26	3.8	ABCD	FIXED	B7	C5
Fixed casement	FC-LOE-180-ARG-CLR-GRILLS	<1)	0.45	30	1.65	0.29	3.4	ABC	FIXED	B7	C5
Fixed casement	FC-LOE-180-KRY-CLR-GRILLS	<1)	0.45	33	1.48	0.26	3.8	ABC	FIXED	B7	C5
Cardinal LoE 272											
Fixed casement	FC-LOE-272-ARG-CLR	-	0.32	25	1.53	0.27	3.7	AB	FIXED	B7	C5
Fixed casement	FC-LOE-272-ARG-CLR-GRILLS	<1)	0.29	22	1.59	0.28	3.6	AB	FIXED	B7	C5
Cardinal LoE 366											
Fixed casement	FC-LOE-3-366-ARG-CLR-ORDINARY	-	0.21	19	1.48	0.26	3.8	AB	FIXED	B7	C5
Fixed casement	FC-LOE-3-366-KRY-CLR-ORDINARY	-	0.21	21	1.42	0.25	4.0	ABC	FIXED	B7	C5
Fixed casement	FC-LOE-3-366-KRY-CLR-GRILLS-ORDINARY	<1)	0.19	21	1.42	0.25	4.0	ABC	FIXED	B7	C5
Fixed casement	FC-LOE-3-366-ARG-CLR-GRILLS-ORDINARY	<1)	0.2	17	1.59	0.28	3.6	AB	FIXED	B7	C5
Triple Glazed		Energy Performance							CSA-A440 Standard		
Style	Platinum Model	Grills	SHGC	Energy	Umet	Uimp	R Value	STAR	AIR	Water	Structural
Fixed casement	FC-TRI-LOE-ORDIN-ARG-CLR-ARG-LOE-ORDIN	-	0.43	35	1.36	0.24	4.2	ABCD	FIXED	B7	C5
Fixed casement	FC-TRI-LOE-ORDIN-KRY-CLR-KRY-LOE-ORDIN	-	0.43	40	1.14	0.2	5.0	ABCD	FIXED	B7	C5
Cardinal LoE 179											
Fixed casement	FC-TRI-LOE-179-ARG-CLR-ARG-LOE-179	-	0.43	36	1.31	0.23	4.3	ABCD	FIXED	B7	C5
Fixed casement	FC-TRI-LOE-179-KRY-CLR-KRY-LOE-179	-	0.43	42	1.08	0.19	5.3	ABCD	FIXED	B7	C5
Fixed casement	FC-TRI-LOE-179-ARG-CLR-ARG-LOE-179-GRILLS	<1)	0.4	32	1.42	0.25	4.0	ABC	FIXED	B7	C5
Fixed casement	FC-TRI-LOE-179-KRY-CLR-KRY-LOE-179-GRILLS	<1)	0.4	38	1.14	0.2	5.0	ABCD	FIXED	B7	C5
Cardinal LoE 180											
Fixed casement	FC-TRI-LOE-180-ARG-CLR-ARG-CLR	-	0.45	33	1.48	0.26	3.8	ABC	FIXED	B7	C5
Fixed casement	FC-TRI-LOE-180-ARG-CLR-ARG-LOE-180	-	0.42	36	1.31	0.23	4.3	ABCD	FIXED	B7	C5
Fixed casement	FC-TRI-LOE-180-KRY-CLR-KRY-CLR	-	0.45	39	1.25	0.22	4.5	ABCD	FIXED	B7	C5
Fixed casement	FC-TRI-LOE-180-KRY-CLR-KRY-LOE-180	-	0.42	42	1.02	0.18	5.6	ABCD	FIXED	B7	C5
Fixed casement	FC-TRI-LOE-180-ARG-CLR-ARG-CLR-GRILLS	<1)	0.41	30	1.53	0.27	3.7	ABC	FIXED	B7	C5
Fixed casement	FC-TRI-LOE-180-ARG-CLR-ARG-LOE-180-GRILLS	<1)	0.39	33	1.36	0.24	4.2	ABC	FIXED	B7	C5
Fixed casement	FC-TRI-LOE-180-KRY-CLR-KRY-CLR-GRILLS	<1)	0.41	36	1.25	0.22	4.5	ABCD	FIXED	B7	C5
Fixed casement	FC-TRI-LOE-180-KRY-CLR-KRY-LOE-180-GRILLS	<1)	0.39	38	1.08	0.19	5.3	ABCD	FIXED	B7	C5
Cardinal LoE 272											
Fixed casement	FC-TRI-LOE-272-ARG-CLR-ARG-LOE-272	-	0.27	28	1.25	0.22	4.5	ABC	FIXED	B7	C5
Fixed casement	FC-TRI-LOE-272-KRY-CLR-KRY-LOE-272	-	0.27	34	0.97	0.17	5.9	ABCD	FIXED	B7	C5
Fixed casement	FC-TRI-LOE-272-KRY-CLR-KRY-LOE-272-GRILLS	<1)	0.25	31	1.08	0.19	5.3	ABCD	FIXED	B7	C5
Fixed casement	FC-TRI-LOE-272-ARG-CLR-ARG-LOE-272-GRILLS	<1)	0.25	25	1.31	0.23	4.3	ABC	FIXED	B7	C5
Cardinal LoE 366											
Fixed casement	FC-LOE-3-366-ARG-CLR-ARG-CLR-ORDINARY	-	0.2	19	1.48	0.26	3.8	AB	FIXED	B7	C5
Fixed casement	FC-LOE-3-366-ARG-CLR-ARG-CLR-GRL-ORDINARY	<1)	0.19	18	1.48	0.26	3.8	AB	FIXED	B7	C5
Fixed casement	FC-LOE-3-366-KRY-CLR-KRY-CLR-ORDINARY	-	0.2	25	1.19	0.21	4.8	ABCD	FIXED	B7	C5
Fixed casement	FC-LOE-3-366-KRY-CLR-KRY-CLR-GRL-ORDINARY	<1)	0.18	24	1.19	0.21	4.8	ABC	FIXED	B7	C5



2012 Energy Star and CSA Recap



Double Glazed		Energy Performance							CSA-A440 Standard		
Hard Coat LowE	Platinum Series Model	Grills	SHGC	Energy Rating	Umet	Uimp	R Value	ENERGY STAR Zone(s)	AIR	Water	Structural
Fixed (picture)	P-CLR-ARG-LOWE-ORDINARY	-	0.62	38	1.76	0.31	3.2	ABCD	FIXED	B7	C5
Fixed (picture)	P-CLR-ARG-LOWE-ORDINARY-GRILLS	<1)	0.57	33	1.82	0.32	3.1	ABC	FIXED	B7	C5
Fixed (picture)	P-CLR-KRY-LOWE-ORDINARY	-	0.62	39	1.7	0.3	3.3	ABCD	FIXED	B7	C5
Fixed (picture)	P-CLR-KRY-LOWE-ORDINARY-GRILLS	<1)	0.57	36	1.7	0.3	3.3	ABCD	FIXED	B7	C5
Cardinal LoE 179											
Fixed (picture)	P-LOE-179-ARG-CLR	-	0.55	35	1.65	0.29	3.4	ABCD	FIXED	B7	C5
Fixed (picture)	P-CLR-ARG-LOE-179	-	0.59	38	1.65	0.29	3.4	ABCD	FIXED	B7	C5
Fixed (picture)	P-CLR-ARG-LOE-179-GRILLS	<1)	0.55	33	1.76	0.31	3.2	ABC	FIXED	B7	C5
Fixed (picture)	P-CLR-KRY-LOE-179	-	0.6	39	1.59	0.28	3.6	ABCD	FIXED	B7	C5
Fixed (picture)	P-CLR-KRY-LOE-179-GRILLS	<1)	0.55	36	1.59	0.28	3.6	ABCD	FIXED	B7	C5
Cardinal LoE 180											
Fixed (picture)	P-LOE-180-ARG-CLR	-	0.55	37	1.59	0.28	3.6	ABCD	FIXED	B7	C5
Fixed (picture)	P-LOE-180-ARG-CLR-GRILLS	<1)	0.51	33	1.7	0.3	3.3	ABC	FIXED	B7	C5
Fixed (picture)	P-LOE-180-KRY-CLR	-	0.55	39	1.53	0.27	3.7	ABCD	FIXED	B7	C5
Fixed (picture)	P-LOE-180-KRY-CLR-GRILLS	<1)	0.51	36	1.53	0.27	3.7	ABCD	FIXED	B7	C5
Cardinal LoE 272											
Fixed (picture)	P-LOE-272-ARG-CLR	-	0.36	27	1.53	0.27	3.7	AB	FIXED	B7	C5
Fixed (picture)	P-LOE-272-ARG-CLR-GRILLS	<1)	0.33	23	1.65	0.29	3.4	A	FIXED	B7	C5
Cardinal LoE 366											
Fixed (picture)	P-LOE-3-366-ARG-CLR-ORDINARY	-	0.24	21	1.53	0.27	3.7	AB	FIXED	B7	C5
Fixed (picture)	P-LOE-3-366-ARG-CLR-GRILLS-ORDINARY	<1)	0.22	18	1.59	0.28	3.6	AB	FIXED	B7	C5
Fixed (picture)	P-LOE-3-366-KRY-CLR-ORDINARY	-	0.23	22	1.42	0.25	4.0	ABC	FIXED	B7	C5
Fixed (picture)	P-LOE-3-366-KRY-CLR-GRILLS-ORDINARY	<1)	0.22	21	1.48	0.26	3.8	AB	FIXED	B7	C5
Triple Glazed		Energy Performance							CSA-A440 Standard		
Style	Platinum Model	Grills	SHGC	Energy	Umet	Uimp	R Value	STAR	AIR	Water	Structural
Hard Coat LowE	Model										
Fixed (picture)	P-TRI-LOE-ORDIN-ARG-CLR-ARG-LOE-ORDIN	-	0.48	38	1.36	0.24	4.2	ABCD	FIXED	B7	C5
Fixed (picture)	P-TRI-LOE-ORDIN-KRY-CLR-KRY-LOE-ORDIN	-	0.48	44	1.08	0.19	5.3	ABCD	FIXED	B7	C5
Cardinal LoE 179											
Fixed (picture)	P-TRI-LOE-179-ARG-CLR-ARG-LOE-179	-	0.49	39	1.31	0.23	4.3	ABCD	FIXED	B7	C5
Fixed (picture)	P-TRI-LOE-179-ARG-CLR-ARG-LOE-179-GRILLS	<1)	0.45	35	1.42	0.25	4.0	ABCD	FIXED	B7	C5
Fixed (picture)	P-TRI-LOE-179-KRY-CLR-KRY-LOE-179	-	0.49	46	1.02	0.18	5.6	ABCD	FIXED	B7	C5
Fixed (picture)	P-TRI-LOE-179-KRY-CLR-KRY-LOE-179-GRILLS	<1)	0.45	42	1.14	0.2	5.0	ABCD	FIXED	B7	C5
Fixed (picture)	P-TRI-LOE-180-ARG-CLR-ARG-CLR	-	0.5	36	1.53	0.27	3.7	ABCD	FIXED	B7	C5
Fixed (picture)	P-TRI-LOE-180-ARG-CLR-ARG-CLR-GRILLS	<1)	0.46	33	1.53	0.27	3.7	ABC	FIXED	B7	C5
Fixed (picture)	P-TRI-LOE-180-ARG-CLR-ARG-LOE-180	-	0.48	40	1.25	0.22	4.5	ABCD	FIXED	B7	C5
Fixed (picture)	P-TRI-LOE-180-ARG-CLR-ARG-LOE-180-GRILLS	<1)	0.44	36	1.36	0.24	4.2	ABCD	FIXED	B7	C5
Fixed (picture)	P-TRI-LOE-180-KRY-CLR-KRY-CLR	-	0.51	43	1.19	0.21	4.8	ABCD	FIXED	B7	C5
Fixed (picture)	P-TRI-LOE-180-KRY-CLR-KRY-CLR-GRILLS	<1)	0.46	40	1.25	0.22	4.5	ABCD	FIXED	B7	C5
Fixed (picture)	P-TRI-LOE-180-KRY-CLR-KRY-LOE-180	-	0.48	46	0.97	0.17	5.9	ABCD	FIXED	B7	C5
Fixed (picture)	P-TRI-LOE-180-KRY-CLR-KRY-LOE-180-GRILLS	<1)	0.44	42	1.08	0.19	5.3	ABCD	FIXED	B7	C5
Cardinal LoE 272											
Fixed (picture)	P-TRI-LOE-272-ARG-CLR-ARG-LOE-272	-	0.3	30	1.25	0.22	4.5	ABC	FIXED	B7	C5
Fixed (picture)	P-TRI-LOE-272-ARG-CLR-ARG-LOE-272-GRILLS	<1)	0.28	27	1.31	0.23	4.3	ABC	FIXED	B7	C5
Fixed (picture)	P-TRI-LOE-272-KRY-CLR-KRY-LOE-272	-	0.3	37	0.91	0.16	6.3	ABCD	FIXED	B7	C5
Fixed (picture)	P-TRI-LOE-272-KRY-CLR-KRY-LOE-272-GRILLS	<1)	0.28	34	1.02	0.18	5.6	ABCD	FIXED	B7	C5
Cardinal LoE 366											
Fixed (picture)	P-LOE-3-366-ARG-CLR-ARG-CLR-GRL-ORDINARY	<1)	0.21	19	1.53	0.27	3.7	AB	FIXED	B7	C5
Fixed (picture)	P-LOE-3-366-ARG-CLR-ARG-CLR-ORDINARY	-	0.22	20	1.48	0.26	3.8	AB	FIXED	B7	C5
Fixed (picture)	P-TRI-LOE-3-366-KRY-CLR-KRY-CLR-GRILLS-ORDINARY	<1)	0.2	26	1.19	0.21	4.8	ABCD	FIXED	B7	C5
Fixed (picture)	P-TRI-LOE-3-366-KRY-CLR-KRY-CLR-ORDINARY	-	0.22	27	1.19	0.21	4.8	ABCD	FIXED	B7	C5



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Double Glazed		Energy Performance							CSA-A440 Standard		
Hard Coat LowE	Platinum Series Model	Grills	SHGC	Energy Rating	Umet	Uimp	R Value	ENERGY STAR Zone(s)	AIR	Water	Structural
Double Hung	DH-CLR-ARG-LOE-ORDINARY	-	0.54	30	1.87	0.33	3.0	ABC	A3	B7	C3
Double Hung	DH-CLR-KRY-LOWE-ORDINARY	-	0.54	31	1.82	0.32	3.1	ABC	A3	B7	C3
Double Hung	DH-CLR-ARG-LOE-ORDINARY-GRILLS	<1)	0.49	25	1.93	0.34	2.9	AB	A3	B7	C3
Double Hung	DH-CLR-KRY-LOWE-ORDINARY-GRILLS	<1)	0.49	28	1.82	0.32	3.1	AB	A3	B7	C3
Cardinal LoE 179											
Double Hung	DH-LOE-179-ARG-CLR	-	0.48	28	1.76	0.31	3.2	AB	A3	B7	C3
Double Hung	DH-CLR-ARG-LOE-179	-	0.52	30	1.82	0.32	3.1	ABC	A3	B7	C3
Double Hung	DH-CLR-ARG-LOE-179-GRILLS	<1)	0.47	26	1.87	0.33	3.0	AB	A3	B7	C3
Double Hung	DH-CLR-KRY-LOE-179	-	0.52	31	1.7	0.3	3.3	ABC	A3	B7	C3
Double Hung	DH-CLR-KRY-LOE-179-GRILLS	<1)	0.47	29	1.7	0.3	3.3	ABC	A3	B7	C3
Cardinal LoE 180											
Double Hung	DH-LOE-180-ARG-CLR	-	0.48	30	1.7	0.3	3.3	ABC	A3	B7	C3
Double Hung	DH-LOE-180-ARG-CLR-GRILLS	<1)	0.44	25	1.82	0.32	3.1	AB	A3	B7	C3
Double Hung	DH-LOE-180-KRY-CLR	-	0.48	31	1.65	0.29	3.4	ABC	A3	B7	C3
Double Hung	DH-LOE-180-KRY-CLR-GRILLS	<1)	0.44	28	1.65	0.29	3.4	AB	A3	B7	C3
Cardinal LoE 272											
Double Hung	DH-LOE-272-ARG-CLR	-	0.31	20	1.7	0.3	3.3	A	A3	B7	C3
Double Hung	DH-LOE-272-ARG-CLR-GRILLS	<1)	0.29	17	1.76	0.31	3.2	A	A3	B7	C3
Cardinal LoE 366											
Double Hung	DH-LOE-3-366-ARG-CLR-ORDINARY	-	0.21	15	1.65	0.29	3.4	A	A3	B7	C3
Double Hung	DH-LOE-3-366-KRY-CLR-ORDINARY	-	0.21	16	1.59	0.28	3.6	A	A3	B7	C3
Double Hung	DH-LOE-3-366-KRY-CLR-GRILLS-ORDINARY	<1)	0.19	15	1.59	0.28	3.6	A	A3	B7	C3
Triple Glazed		Energy Performance							CSA-A440 Standard		
Style	Platinum Model	Grills	SHGC	Energy	Umet	Uimp	R Value	STAR	AIR	Water	Structural
Hard Coat LowE	Model										
Double Hung	DH-TRI-LOE-ORDIN-ARG-CLR-ARG-LOE-ORDIN	-	0.42	30	1.53	0.27	3.7	ABC	A3	B7	C3
Double Hung	DH-TRI-LOE-ORDIN-KRY-CLR-KRY-LOE-ORDIN	-	0.42	35	1.31	0.23	4.3	ABCD	A3	B7	C3
Cardinal LoE 179											
Double Hung	DH-TRI-LOE-179-ARG-CLR-ARG-LOE-179	-	0.42	31	1.48	0.26	3.8	ABC	A3	B7	C3
Double Hung	DH-TRI-LOE-179-ARG-CLR-ARG-LOE-179-GRILLS	<1)	0.39	28	1.53	0.27	3.7	AB	A3	B7	C3
Double Hung	DH-TRI-LOE-179-KRY-CLR-KRY-LOE-179	-	0.43	37	1.25	0.22	4.5	ABCD	A3	B7	C3
Double Hung	DH-TRI-LOE-179-KRY-CLR-KRY-LOE-179-GRILLS	<1)	0.39	33	1.31	0.23	4.3	ABC	A3	B7	C3
Cardinal LoE 180											
Double Hung	DH-TRI-LOE-180-ARG-CLR-ARG-CLR	-	0.44	28	1.65	0.29	3.4	AB	A3	B7	C3
Double Hung	DH-TRI-LOE-180-ARG-CLR-ARG-CLR-GRILLS	<1)	0.4	25	1.7	0.3	3.3	AB	A3	B7	C3
Double Hung	DH-TRI-LOE-180-ARG-CLR-ARG-LOE-180	-	0.42	32	1.42	0.25	4.0	ABC	A3	B7	C3
Double Hung	DH-TRI-LOE-180-ARG-CLR-ARG-LOE-180-GRILLS	<1)	0.38	28	1.53	0.27	3.7	AB	A3	B7	C3
Double Hung	DH-TRI-LOE-180-KRY-CLR-KRY-CLR	-	0.44	34	1.42	0.25	4.0	ABCD	A3	B7	C3
Double Hung	DH-TRI-LOE-180-KRY-CLR-KRY-CLR-GRILLS	<1)	0.4	31	1.48	0.26	3.8	ABC	A3	B7	C3
Double Hung	DH-TRI-LOE-180-KRY-CLR-KRY-LOE-180	-	0.42	37	1.19	0.21	4.8	ABCD	A3	B7	C3
Double Hung	DH-TRI-LOE-180-KRY-CLR-KRY-LOE-180-GRILLS	<1)	0.38	34	1.25	0.22	4.5	ABCD	A3	B7	C3
Cardinal LoE 272											
Double Hung	DH-TRI-LOE-272-ARG-CLR-ARG-LOE-272	-	0.27	23	1.42	0.25	4.0	ABC	A3	B7	C3
Double Hung	DH-TRI-LOE-272-ARG-CLR-ARG-LOE-272-GRILLS	<1)	0.24	21	1.48	0.26	3.8	AB	A3	B7	C3
Double Hung	DH-TRI-LOE-272-KRY-CLR-KRY-LOE-272	-	0.27	29	1.14	0.2	5.0	ABCD	A3	B7	C3
Double Hung	DH-TRI-LOE-272-KRY-CLR-KRY-LOE-272-GRILLS	<1)	0.24	26	1.25	0.22	4.5	ABC	A3	B7	C3
Cardinal LoE 366											
Double Hung	DH-LOE-3-366-ARG-CLR-ARG-CLR-ORDINARY	-	0.2	15	1.65	0.29	3.4	A	A3	B7	C3
Double Hung	DH-LOE-3-366-ARG-CLR-ARG-CLR-GRL-ORDINARY	<1)	0.18	13	1.65	0.29	3.4	A	A3	B7	C3
Double Hung	DH-LOE-3-366-KRY-CLR-KRY-CLR-ORDINARY	-	0.19	20	1.36	0.24	4.2	AB	A3	B7	C3
Double Hung	DH-LOE-3-366-KRY-CLR-KRY-CLR-GRL-ORDINARY	<1)	0.18	19	1.36	0.24	4.2	AB	A3	B7	C3



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Double Glazed		Energy Performance							CSA-A440 Standard		
Hard Coat LowE	Platinum Series Model	Grills	SHGC	Energy Rating	Umet	Uimp	R Value	ENERGY STAR Zone(s)	AIR	Water	Structural
Single Hung	SH-CLR-ARG-LOWE-ORDINARY	-	0.57	32	1.87	0.33	3.0	ABC	A3/Fix	B7	C3
Single Hung	SH-CLR-ARG-LOWE-ORDINARY-GRILLS	<1)	0.52	27	1.93	0.34	2.9	AB	A3/Fix	B7	C3
Single Hung	SH-CLR-KRY-LOWE-ORDINARY	-	0.57	33	1.82	0.32	3.1	ABC	A3/Fix	B7	C3
Single Hung	SH-CLR-KRY-LOWE-ORDINARY-GRILLS	<1)	0.52	30	1.82	0.32	3.1	ABC	A3/Fix	B7	C3
Cardinal LoE 179											
Single Hung	SH-LOE-179-ARG-CLR	-	0.51	30	1.76	0.31	3.2	ABC	A3/Fix	B7	C3
Single Hung	SH-CLR-ARG-LOE-179	-	0.55	32	1.76	0.31	3.2	ABC	A3/Fix	B7	C3
Single Hung	SH-CLR-ARG-LOE-179-GRILLS	<1)	0.5	28	1.87	0.33	3.0	AB	A3/Fix	B7	C3
Single Hung	SH-CLR-KRY-LOE-179	-	0.55	33	1.7	0.3	3.3	ABC	A3/Fix	B7	C3
Single Hung	SH-CLR-KRY-LOE-179-GRILLS	<1)	0.5	31	1.7	0.3	3.3	ABC	A3/Fix	B7	C3
Cardinal LoE 180											
Single Hung	SH-LOE-180-ARG-CLR	-	0.51	32	1.7	0.3	3.3	ABC	A3/Fix	B7	C3
Single Hung	SH-LOE-180-ARG-CLR-GRILLS	<1)	0.47	27	1.76	0.31	3.2	AB	A3/Fix	B7	C3
Single Hung	SH-LOE-180-KRY-CLR	-	0.51	33	1.65	0.29	3.4	ABC	A3/Fix	B7	C3
Single Hung	SH-LOE-180-KRY-CLR-GRILLS	<1)	0.47	30	1.65	0.29	3.4	ABC	A3/Fix	B7	C3
Cardinal LoE 272											
Single Hung	SH-LOE-272-ARG-CLR	-	0.33	22	1.7	0.3	3.3	A	A3/Fix	B7	C3
Single Hung	SH-LOE-272-ARG-CLR-GRILLS	<1)	0.3	18	1.76	0.31	3.2	A	A3/Fix	B7	C3
Cardinal LoE 366											
Single Hung	SH-LOE-3-366-ARG-CLR-ORDINARY	-	0.22	16	1.65	0.29	3.4	A	A3/Fix	B7	C3
Single Hung	SH-LOE-3-366-ARG-CLR-GRILLS-ORDINARY	<1)	0.2	13	1.7	0.3	3.3	A	A3/Fix	B7	C3
Single Hung	SH-LOE-3-366-KRY-CLR-ORDINARY	-	0.22	18	1.59	0.28	3.6	AB	A3/Fix	B7	C3
Single Hung	SH-LOE-3-366-KRY-CLR-GRILLS-ORDINARY	<1)	0.2	16	1.59	0.28	3.6	A	A3/Fix	B7	C3
Triple Glazed		Energy Performance							CSA-A440 Standard		
Style	Platinum Model	Grills	SHGC	Energy	Umet	Uimp	R Value	STAR	AIR	Water	Structural
Hard Coat LowE	Model										
Single Hung	SH-TRI-LOE-ORDIN-ARG-CLR-ARG-LOE-ORDIN	-	0.44	32	1.48	0.26	3.8	ABC	A3/Fix	B7	C3
Single Hung	SH-TRI-LOE-ORDIN-KRY-CLR-KRY-LOE-ORDIN	-	0.45	38	1.25	0.22	4.5	ABCD	A3/Fix	B7	C3
Cardinal LoE 179											
Single Hung	SH-TRI-LOE-179-ARG-CLR-ARG-LOE-179	-	0.45	33	1.48	0.26	3.8	ABC	A3/Fix	B7	C3
Single Hung	SH-TRI-LOE-179-ARG-CLR-ARG-LOE-179-GRILLS	<1)	0.41	30	1.53	0.27	3.7	ABC	A3/Fix	B7	C3
Single Hung	SH-TRI-LOE-179-KRY-CLR-KRY-LOE-179	-	0.45	39	1.19	0.21	4.8	ABCD	A3/Fix	B7	C3
Single Hung	SH-TRI-LOE-179-KRY-CLR-KRY-LOE-179-GRILLS	<1)	0.41	35	1.25	0.22	4.5	ABCD	A3/Fix	B7	C3
Cardinal LoE 180											
Single Hung	SH-TRI-LOE-180-ARG-CLR-ARG-CLR	-	0.47	30	1.65	0.29	3.4	ABC	A3/Fix	B7	C3
Single Hung	SH-TRI-LOE-180-ARG-CLR-ARG-CLR-GRILLS	<1)	0.43	27	1.65	0.29	3.4	AB	A3/Fix	B7	C3
Single Hung	SH-TRI-LOE-180-ARG-CLR-ARG-LOE-180	-	0.44	34	1.42	0.25	4.0	ABCD	A3/Fix	B7	C3
Single Hung	SH-TRI-LOE-180-ARG-CLR-ARG-LOE-180-GRILLS	<1)	0.4	30	1.48	0.26	3.8	ABC	A3/Fix	B7	C3
Single Hung	SH-TRI-LOE-180-KRY-CLR-KRY-CLR	-	0.47	36	1.36	0.24	4.2	ABCD	A3/Fix	B7	C3
Single Hung	SH-TRI-LOE-180-KRY-CLR-KRY-CLR-GRILLS	<1)	0.43	33	1.36	0.24	4.2	ABC	A3/Fix	B7	C3
Single Hung	SH-TRI-LOE-180-KRY-CLR-KRY-LOE-180	-	0.44	40	1.14	0.2	5.0	ABCD	A3/Fix	B7	C3
Single Hung	SH-TRI-LOE-180-KRY-CLR-KRY-LOE-180-GRILLS	<1)	0.4	36	1.19	0.21	4.8	ABCD	A3/Fix	B7	C3
Cardinal LoE 272											
Single Hung	SH-TRI-LOE-272-ARG-CLR-ARG-LOE-272	-	0.28	25	1.42	0.25	4.0	ABC	A3/Fix	B7	C3
Single Hung	SH-TRI-LOE-272-ARG-CLR-ARG-LOE-272-GRILLS	<1)	0.26	22	1.48	0.26	3.8	AB	A3/Fix	B7	C3
Single Hung	SH-TRI-LOE-272-KRY-CLR-KRY-LOE-272	-	0.28	31	1.14	0.2	5.0	ABCD	A3/Fix	B7	C3
Single Hung	SH-TRI-LOE-272-KRY-CLR-KRY-LOE-272-GRILLS	<1)	0.26	28	1.19	0.21	4.8	ABCD	A3/Fix	B7	C3
Cardinal LoE 366											
Single Hung	SH-LOE-3-366-ARG-CLR-ARG-CLR-ORDINARY	-	0.21	16	1.59	0.28	3.6	A	A3/Fix	B7	C3
Single Hung	SH-LOE-3-366-ARG-CLR-ARG-CLR-GRILLS-ORDINARY	<1)	0.19	14	1.65	0.29	3.4	A	A3/Fix	B7	C3
Single Hung	SH-LOE-3-366-KRY-CLR-KRY-CLR-ORDINARY	-	0.2	22	1.31	0.23	4.3	ABC	A3/Fix	B7	C3
Single Hung	SH-LOE-3-366-KRY-CLR-KRY-CLR-GRILLS-ORDINARY	<1)	0.19	21	1.36	0.24	4.2	ABC	A3/Fix	B7	C3



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Double Glazed		Energy Performance							CSA-A440 Standard		
Hard Coat LowE	Platinum Series Model	Grills	SHGC	Energy Rating	Umet	Uimp	R Value	ENERGY STAR Zone(s)	AIR	Water	Structural
Double Slider	BL-CLR-ARG-LOWE-ORDINARY	-	0.54	29	1.87	0.33	3.0	ABC	A2	B2	C3
Double Slider	BL-CLR-ARG-LOWE-ORDINARY-GRILLS	<1)	0.49	25	1.93	0.34	2.9	AB	A2	B2	C3
Double Slider	BL-CLR-KRY-LOWE-ORDINARY	-	0.54	30	1.82	0.32	3.1	ABC	A2	B2	C3
Double Slider	BL-CLR-KRY-LOWE-ORDINARY-GRILLS	<1)	0.49	27	1.82	0.32	3.1	AB	A2	B2	C3
Cardinal LoE 179											
Double Slider	BL-LOE-179-ARG-CLR	-	0.48	27	1.82	0.32	3.1	AB	A2	B2	C3
Double Slider	BL-CLR-ARG-LOE-179	-	0.52	29	1.82	0.32	3.1	ABC	A2	B2	C3
Double Slider	BL-CLR-ARG-LOE-179-GRILLS	<1)	0.47	25	1.87	0.33	3.0	AB	A2	B2	C3
Double Slider	BL-CLR-KRY-LOE-179	-	0.52	30	1.76	0.31	3.2	ABC	A2	B2	C3
Double Slider	BL-CLR-KRY-LOE-179-GRILLS	<1)	0.47	28	1.76	0.31	3.2	AB	A2	B2	C3
Cardinal LoE 180											
Double Slider	BL-LOE-180-ARG-CLR	-	0.48	29	1.7	0.3	3.3	ABC	A2	B2	C3
Double Slider	BL-LOE-180-ARG-CLR-GRILLS	<1)	0.44	25	1.82	0.32	3.1	AB	A2	B2	C3
Double Slider	BL-LOE-180-KRY-CLR	-	0.48	30	1.65	0.29	3.4	ABC	A2	B2	C3
Double Slider	BL-LOE-180-KRY-CLR-GRILLS	<1)	0.44	28	1.65	0.29	3.4	AB	A2	B2	C3
Cardinal LoE 272											
Double Slider	BL-LOE-272-ARG-CLR	-	0.31	19	1.7	0.3	3.3	A	A2	B2	C3
Double Slider	BL-LOE-272-ARG-CLR-GRILLS	<1)	0.29	16	1.76	0.31	3.2	A	A2	B2	C3
Cardinal LoE 366											
Double Slider	BL-LOE-3-366-ARG-CLR-ORDINARY	-	0.21	14	1.65	0.29	3.4	A	A2	B2	C3
Double Slider	BL-LOE-3-366-KRY-CLR-ORDINARY	-	0.21	16	1.59	0.28	3.6	A	A2	B2	C3
Double Slider	BL-LOE-3-366-KRY-CLR-GRILLS-ORDINARY	<1)	0.19	14	1.59	0.28	3.6	A	A2	B2	C3
Triple Glazed		Energy Performance							CSA-A440 Standard		
Style	Platinum Model	Grills	SHGC	Energy	Umet	Uimp	R Value	STAR	AIR	Water	Structural
Hard Coat LowE	Model										
Double Slider	BL-TRI-LOE-ORDIN-ARG-CLR-ARG-LOE-ORDIN	-	0.42	29	1.53	0.27	3.7	ABC	A2	B2	C3
Double Slider	BL-TRI-LOE-ORDIN-KRY-CLR-KRY-LOE-ORDIN	-	0.42	35	1.31	0.23	4.3	ABCD	A2	B2	C3
Cardinal LoE 179											
Double Slider	BL-TRI-LOE-179-ARG-CLR-ARG-LOE-179	-	0.42	30	1.48	0.26	3.8	ABC	A2	B2	C3
Double Slider	BL-TRI-LOE-179-ARG-CLR-ARG-LOE-179-GRILLS	<1)	0.39	27	1.59	0.28	3.6	AB	A2	B2	C3
Double Slider	BL-TRI-LOE-179-KRY-CLR-KRY-LOE-179	-	0.43	36	1.25	0.22	4.5	ABCD	A2	B2	C3
Double Slider	BL-TRI-LOE-179-KRY-CLR-KRY-LOE-179-GRILLS	<1)	0.39	32	1.31	0.23	4.3	ABC	A2	B2	C3
Cardinal LoE 180											
Double Slider	BL-TRI-LOE-180-ARG-CLR-ARG-CLR	-	0.44	27	1.65	0.29	3.4	AB	A2	B2	C3
Double Slider	BL-TRI-LOE-180-ARG-CLR-ARG-CLR-GRILLS	<1)	0.4	25	1.7	0.3	3.3	AB	A2	B2	C3
Double Slider	BL-TRI-LOE-180-ARG-CLR-ARG-LOE-180	-	0.42	31	1.48	0.26	3.8	ABC	A2	B2	C3
Double Slider	BL-TRI-LOE-180-ARG-CLR-ARG-LOE-180-GRILLS	<1)	0.38	27	1.53	0.27	3.7	AB	A2	B2	C3
Double Slider	BL-TRI-LOE-180-KRY-CLR-KRY-CLR	-	0.44	33	1.42	0.25	4.0	ABC	A2	B2	C3
Double Slider	BL-TRI-LOE-180-KRY-CLR-KRY-CLR-GRILLS	<1)	0.4	31	1.42	0.25	4.0	ABC	A2	B2	C3
Double Slider	BL-TRI-LOE-180-KRY-CLR-KRY-LOE-180	-	0.42	37	1.19	0.21	4.8	ABCD	A2	B2	C3
Double Slider	BL-TRI-LOE-180-KRY-CLR-KRY-LOE-180-GRILLS	<1)	0.38	33	1.25	0.22	4.5	ABC	A2	B2	C3
Cardinal LoE 272											
Double Slider	BL-TRI-LOE-272-ARG-CLR-ARG-LOE-272	-	0.27	23	1.42	0.25	4.0	ABC	A2	B2	C3
Double Slider	BL-TRI-LOE-272-ARG-CLR-ARG-LOE-272-GRILLS	<1)	0.25	20	1.48	0.26	3.8	AB	A2	B2	C3
Double Slider	BL-TRI-LOE-272-KRY-CLR-KRY-LOE-272	-	0.27	28	1.19	0.21	4.8	ABCD	A2	B2	C3
Double Slider	BL-TRI-LOE-272-KRY-CLR-KRY-LOE-272-GRILLS	<1)	0.24	26	1.25	0.22	4.5	ABC	A2	B2	C3
Cardinal LoE 366											
Double Slider	BL-LOE-3-366-ARG-CLR-ARG-CLR-ORDINARY	-	0.2	14	1.65	0.29	3.4	A	A2	B2	C3
Double Slider	BL-LOE-3-366-ARG-CLR-ARG-CLR-GRILLS-ORDINARY	<1)	0.18	13	1.65	0.29	3.4	A	A2	B2	C3
Double Slider	BL-LOE-3-366-KRY-CLR-KRY-CLR-ORDINARY	-	0.19	20	1.36	0.24	4.2	AB	A2	B2	C3
Double Slider	BL-LOE-3-366-KRY-CLR-KRY-CLR-GRL-ORDINARY	<1)	0.18	18	1.36	0.24	4.2	AB	A2	B2	C3



2012 Energy Star and CSA Recap



Double Glazed		Energy Performance							CSA-A440 Standard		
Cardinal LoE 272	Platinum Series Model	Grills	SHGC	Energy Rating	Umet	Uimp	R Value	ENERGY STAR Zone(s)	AIR	Water	Structural
Double Slider	DBL-LOE-272-ARG-CLR-LIFTOUT	-	0.33	21	1.65	0.29	3.4	A	A2	B3	C4
Cardinal LoE 366											
Double Slider	DBL-LOE-3-366-ARG-CLR-LIFTOUT-ORDINARY	-	0.23	16	1.59	0.28	3.6	A	A2	B3	C4
Double Glazed		Energy Performance							CSA-A440 Standard		
Hard Coat Lowe	Platinum Series Model	Grills	SHGC	Energy Rating	Umet	Uimp	R Value	ENERGY STAR Zone(s)	AIR	Water	Structural
Single Slider	SBL-CLR-ARG-LOWE-ORDINARY	-	0.59	33	1.82	0.32	3.1	ABC	FIXED	B4	C3
Single Slider	SBL-CLR-ARG-LOWE-ORDINARY-GRILLS	<1)	0.53	29	1.87	0.33	3.0	ABC	FIXED	B4	C3
Single Slider	SBL-CLR-KRY-LOWE-ORDINARY	-	0.59	34	1.76	0.31	3.2	ABCD	FIXED	B4	C3
Single Slider	SBL-CLR-KRY-LOWE-ORDINARY-GRILLS	<1)	0.54	31	1.82	0.32	3.1	ABC	FIXED	B4	C3
Cardinal LoE 179											
Single Slider	SS-LOE-179-ARG-CLR	-	0.5	30	1.76	0.31	3.2	ABC	FIXED	B4	C3
Single Slider	SBL-CLR-ARG-LOE-179	-	0.5	30	1.76	0.31	3.2	ABC	FIXED	B4	C3
Single Slider	SBL-CLR-ARG-LOE-179-GRILLS	<1)	0.46	26	1.82	0.32	3.1	AB	FIXED	B4	C3
Single Slider	SBL-CLR-KRY-LOE-179	-	0.5	31	1.7	0.3	3.3	ABC	FIXED	B4	C3
Single Slider	SBL-CLR-KRY-LOE-179-GRILLS	<1)	0.46	28	1.76	0.31	3.2	AB	FIXED	B4	C3
Cardinal LoE 180											
Single Slider	SS-LIFT-OUT-LOE-180-ARG-CLR	-	0.5	31	1.7	0.3	3.3	ABC	FIXED	B4	C3
Single Slider	SBL-LOE-180-ARG-CLR	-	0.5	31	1.7	0.3	3.3	ABC	FIXED	B4	C3
Single Slider	SBL-LOE-180-ARG-CLR-GRILLS	<1)	0.46	28	1.76	0.31	3.2	AB	FIXED	B4	C3
Single Slider	SBL-LOE-180-KRY-CLR	-	0.5	32	1.65	0.29	3.4	ABC	FIXED	B4	C3
Single Slider	SBL-LOE-180-KRY-CLR-GRILLS	<1)	0.45	29	1.65	0.29	3.4	ABC	FIXED	B4	C3
Cardinal LoE 272											
Single Slider	SBL-CLR-ARG-LOE-272	-	0.32	22	1.65	0.29	3.4	A	FIXED	B4	C3
Single Slider	SBL-CLR-ARG-LOE-272-GRILLS	<1)	0.29	19	1.7	0.3	3.3	A	FIXED	B4	C3
Cardinal LoE 366											
Single Slider	SBL-LOE-3-366-ARG-CLR-ORDINARY	-	0.21	16	1.65	0.29	3.4	A	FIXED	B4	C3
Single Slider	SBL-LOE-3-366-ARG-CLR-GRILLS-ORDINARY	<1)	0.19	14	1.65	0.29	3.4	A	FIXED	B4	C3
Single Slider	SBL-LOE-3-366-KRY-CLR-ORDINARY	-	0.21	18	1.53	0.27	3.7	AB	FIXED	B4	C3
Single Slider	SBL-LOE-3-366-KRY-CLR-GRILLS-ORDINARY	<1)	0.2	16	1.59	0.28	3.6	A	FIXED	B4	C3
Triple Glazed		Energy Performance							CSA-A440 Standard		
Style	Platinum Model	Grills	SHGC	Energy	Umet	Uimp	R Value	STAR	AIR	Water	Structural
Hard Coat Lowe	Model										
Single Slider	SS-TRI-LOE-ORDIN-ARG-CLR-ARG-LOE-ORDIN	-	0.53	32	1.7	0.3	3.3	ABC	FIXED	B4	C3
Single Slider	SS-TRI-LOE-ORDIN-KRY-CLR-KRY-LOE-ORDIN	-	0.53	38	1.48	0.26	3.8	ABCD	FIXED	B4	C3
Cardinal LoE 179											
Single Slider	SBL-TRI-LOE-179-ARG-CLR-ARG-LOE-179	-	0.45	33	1.48	0.26	3.8	ABC	FIXED	B4	C3
Single Slider	SBL-TRI-LOE-179-ARG-CLR-ARG-LOE-179-GRILLS	<1)	0.41	29	1.53	0.27	3.7	ABC	FIXED	B4	C3
Single Slider	SBL-TRI-LOE-179-KRY-CLR-KRY-LOE-179	-	0.45	39	1.19	0.21	4.8	ABCD	FIXED	B4	C3
Single Slider	SBL-TRI-LOE-179-KRY-CLR-KRY-LOE-179-GRILLS	<1)	0.41	35	1.25	0.22	4.5	ABCD	FIXED	B4	C3
Cardinal LoE 180											
Single Slider	SBL-TRI-LOE-180-ARG-CLR-ARG-CLR	-	0.46	30	1.65	0.29	3.4	ABC	FIXED	B4	C3
Single Slider	SBL-TRI-LOE-180-ARG-CLR-ARG-LOE-180	-	0.43	33	1.42	0.25	4.0	ABC	FIXED	B4	C3
Single Slider	SBL-TRI-LOE-180-KRY-CLR-KRY-LOE-180	-	0.43	39	1.14	0.2	5.0	ABCD	FIXED	B4	C3
Single Slider	SBL-TRI-LOE-180-KRY-CLR-KRY-CLR-GRILLS	<1)	0.42	33	1.36	0.24	4.2	ABC	FIXED	B4	C3
Single Slider	SBL-TRI-LOE-180-KRY-CLR-KRY-CLR	-	0.46	36	1.36	0.24	4.2	ABCD	FIXED	B4	C3
Single Slider	SBL-TRI-LOE-180-KRY-CLR-KRY-LOE-180-GRILLS	<1)	0.4	36	1.19	0.21	4.8	ABCD	FIXED	B4	C3
Single Slider	SBL-TRI-LOE-180-ARG-CLR-ARG-LOE-180-GRILLS	<1)	0.4	30	1.48	0.26	3.8	ABC	FIXED	B4	C3
Single Slider	SBL-TRI-LOE-180-ARG-CLR-ARG-CLR-GRILLS	<1)	0.42	27	1.65	0.29	3.4	AB	FIXED	B4	C3
Cardinal LoE 272											
Single Slider	SBL-TRI-LOE-272-ARG-CLR-ARG-LOE-272	-	0.27	25	1.42	0.25	4.0	ABC	FIXED	B4	C3
Single Slider	SBL-TRI-LOE-272-ARG-CLR-ARG-LOE-272-GRILLS	<1)	0.25	22	1.42	0.25	4.0	ABC	FIXED	B4	C3
Single Slider	SBL-TRI-LOE-272-KRY-CLR-KRY-LOE-272	-	0.27	31	1.14	0.2	5.0	ABCD	FIXED	B4	C3
Single Slider	SBL-TRI-LOE-272-KRY-CLR-KRY-LOE-272-GRILLS	<1)	0.25	29	1.14	0.2	5.0	ABCD	FIXED	B4	C3
Single Slider	SBL-TRI-LOE-272-KRY-CLR-KRY-CLR	-	0.3	27	1.36	0.24	4.2	ABC	FIXED	B4	C3
Single Slider	SBL-TRI-LOE-272-KRY-CLR-KRY-LOE-272	-	0.27	31	1.14	0.2	5.0	ABCD	FIXED	B4	C3
Single Slider	SBL-TRI-LOE-272-KRY-CLR-KRY-CLR-GRILLS	<1)	0.27	25	1.36	0.24	4.2	ABC	FIXED	B4	C3
Cardinal LoE 366											
Single Slider	SBL-TRI-LOE-272-ARG-CLR-ARG-CLR	-	0.3	21	1.65	0.29	3.4	A	FIXED	B4	C3
Single Slider	SBL-TRI-LOE-272-ARG-CLR-ARG-CLR-GRILLS	<1)	0.27	19	1.65	0.29	3.4	A	FIXED	B4	C3
Single Slider	SBL-LOE-3-366-ARG-CLR-ARG-CLR-ORDINARY	-	0.2	16	1.59	0.28	3.6	A	FIXED	B4	C3
Single Slider	SBL-LOE-3-366-ARG-CLR-ARG-CLR-GRILLS-ORDINARY	<1)	0.19	15	1.65	0.29	3.4	A	FIXED	B4	C3
Single Slider	SBL-LOE-3-366-KRY-CLR-KRY-CLR-ORDINARY	-	0.2	22	1.31	0.23	4.3	ABC	FIXED	B4	C3
Single Slider	SBL-LOE-3-366-KRY-CLR-KRY-CLR-GRILLS-ORDINARY	<1)	0.19	21	1.36	0.24	4.2	ABC	FIXED	B4	C3