

LISTING PROGRAM

Customer: Cossins Windows Ltd.
 Class: Fenestration Products – Energy Performance
 Location: Calgary, Alberta
 Website: cossinswindowsanddoors.com
 Listing No. W451
 Project No. W451-1 ED5
 Effective Date: April 28, 2010
 Last Revised Date: January 28, 2022
 Expires: N/A

Standards: CSA A440.2 Fenestration Energy Performance

Product: Vinyl Windows

Markings: Products are marked with the following content in a permanent manner where it is readily visible after installation:

- a) Manufacturer’s name, Trademark or other recognized symbol or identification.
- b) QAI file Number: W451
- c) QAI logo shown here:



- d) “Evaluation for energy performance in accordance with CSA A440.2” / “Évalué pour la performance d’énergie en accord à la norme CSA A440.2”

Models / Ratings:

100 Series Awning Window

Model Code	Window U-Value (W/m ² K)	Energy Rating (ER)
COSS-100AW-3,CL-3,SB60(3)-12AIRDL	1.66	20
COSS-100AW-3,CL-3,SB60(3)-12AIRDL-G1<1	1.68	19
COSS-100AW-3,CL-3,SB60(3)-12AR90DL	1.48	24
COSS-100AW-3,CL-3,SB60(3)-12AR90DL-G1<1	1.50	23
COSS-100AW-3,CL-3,SB60(3)-3,SB60(5)-12AIRDL	1.11	29
COSS-100AW-3,CL-3,SB60(3)-3,SB60(5)-12AIRDL-G1<1	1.12	28
COSS-100AW-3,CL-3,SB60(3)-3,SB60(5)-12AR90DL	0.98	32
COSS-100AW-3,CL-3,SB60(3)-3,SB60(5)-12AR90DL-G1<1	0.99	31
COSS-100AW-3,SB60(2)-3,CL-12AIRDL	1.66	18
COSS-100AW-3,SB60(2)-3,CL-12AIRDL-G1<1	1.69	17
COSS-100AW-3,SB60(2)-3,CL-12AR90DL	1.48	21

Model Code	Window U-Value (W/m ² K)	Energy Rating (ER)
COSS-100AW-3,SB60(2)-3,CL-12AR90DL-G1<1	1.50	20
COSS-100AW-3,SB60(2)-3,SB60(4)-12AIRDL	1.11	27
COSS-100AW-3,SB60(2)-3,SB60(4)-12AIRDL-G1<1	1.12	26
COSS-100AW-3,SB60(2)-3,SB60(4)-12AR90DL	0.98	29
COSS-100AW-3,SB60(2)-3,SB60(2)-12AR90DL-G1<1	0.99	29
COSS-100AW-3,SB60(2)-3,IS20(4)-12AR90DL	1.29	26
COSS-100AW-3,SB60(2)-3,IS20(4)-12AR90DL-G1<1	1.31	25
COSS-100AW-3,S400(2)-3,S400(3)-12AR90DL	1.47	30
COSS-100AW-3,S400(2)-3,S400(3)-12AR90DL-G1<1	1.50	29
COSS-100AW-3,SB60(2)-3,CS73(4)-12AR90DL	1.27	25
COSS-100AW-3,SB60(2)-3,CS73(4)-12AR90DL-G1<1	1.28	25
COSS-100AW-3,SB60(2)-3,CL-3,CL-12AR90DL-12AIRDL	1.26	25
COSS-100AW-3,SB60(2)-3,ENAD(4)-12AIRDL	1.44	22
COSS-100AW-3,SB60(2)-3,ENAD(4)-12AIRDL-G1<1	1.44	22
COSS-100AW-3,SB60(2)-3,ENAD(4)-12AR90DL	1.30	25
COSS-100AW-3,SB60(2)-3,ENAD(4)-12AR90DL-G1<1	1.30	25
COSS-100AW-4,SB60(2)-4,SB60(4)-4,CL-11AR90DL	1.01	29
COSS-100AW-4,SB60(2)-4,SB60(2)-4,CL-11AR90DL-G1<1	1.00	30

100 Series Casement Window

Model Code	Window U-Value (W/m ² K)	Energy Rating (ER)
COSS-100CA-3,CL-3,SB60(3)-12AIRDL	1.66	21
COSS-100CA-3,CL-3,SB60(3)-12AIRDL-G1<1	1.69	19
COSS-100CA-3,CL-3,SB60(3)-12AR90DL	1.48	25
COSS-100CA-3,CL-3,SB60(3)-12AR90DL-G1<1	1.52	23
COSS-100CA-3,CL-3,SB60(3)-3,SB60(5)-12AIRDL	1.12	29
COSS-100CA-3,CL-3,SB60(3)-3,SB60(5)-12AIRDL-G1<1	1.13	29
COSS-100CA-3,CL-3,SB60(3)-3,SB60(5)-12AR90DL	0.99	32
COSS-100CA-3,CL-3,SB60(3)-3,SB60(5)-12AR90DL-G1<1	1.01	31
COSS-100CA-3,SB60(2)-3,CL-12AIRDL	1.66	18
COSS-100CA-3,SB60(2)-3,CL-12AIRDL-G1<1	1.69	17
COSS-100CA-3,SB60(2)-3,CL-12AR90DL	1.48	22
COSS-100CA-3,SB60(2)-3,CL-12AR90DL-G1<1	1.52	21
COSS-100CA-3,SB60(2)-3,SB60(4)-12AIRDL	1.12	27
COSS-100CA-3,SB60(2)-3,SB60(4)-12AIRDL-G1<1	1.13	26
COSS-100CA-3,SB60(2)-3,SB60(4)-12AR90DL	0.99	30
COSS-100CA-3,SB60(2)-3,SB60(2)-12AR90DL-G1<1	1.01	29
COSS-100CA-3,SB60(2)-3,IS20(4)-12AR90DL	1.32	25
COSS-100CA-3,SB60(2)-3,IS20(4)-12AR90DL-G1<1	1.36	24
COSS-100CA-3,S400(2)-3,S400(3)-12AR90DL	1.52	29
COSS-100CA-3,S400(2)-3,S400(3)-12AR90DL-G1<1	1.56	28
COSS-100CA-3,SB60(2)-3,CS73(4)-12AR90DL	1.30	25
COSS-100CA-3,SB60(2)-3,CS73(4)-12AR90DL-G1<1	1.33	24
COSS-100CA-3,SB60(2)-3,CL-3,CL-12AR90DL-12AIRDL	1.24	26
COSS-100CA-3,SB60(2)-3,ENAD(4)-12AIRDL	1.32	25
COSS-100CA-3,SB60(2)-3,ENAD(4)-12AIRDL-G1<1	1.30	26
COSS-100CA-3,SB60(2)-3,ENAD(4)-12AR90DL	1.45	22

Model Code	Window U-Value (W/m ² K)	Energy Rating (ER)
COSS-100CA-3,SB60(2)-3,ENAD(4)-12AR90DL-G1<1	1.43	23
COSS-100CA-4,SB60(2)-4,SB60(4)-4,CL-11AR90DL	1.04	29
COSS-100CA-4,SB60(2)-4,SB60(2)-4,CL-11AR90DL-G1<1	1.02	30

100 Series Picture Window

Model Code	Window U-Value (W/m ² K)	Energy Rating (ER)
COSS-100PC-3,CL-3,SB60(3)-12AIRDL	1.67	27
COSS-100PC-3,CL-3,SB60(3)-12AIRDL-G1<1	1.71	25
COSS-100PC-3,CL-3,SB60(3)-12AR90DL	1.43	32
COSS-100PC-3,CL-3,SB60(3)-12AR90DL-G1<1	1.48	30
COSS-100PC-3,CL-3,SB60(3)-3,SB60(5)-12AIRDL	0.98	37
COSS-100PC-3,CL-3,SB60(3)-3,SB60(5)-12AIRDL-G1<1	0.99	36
COSS-100PC-3,CL-3,SB60(3)-3,SB60(5)-12AR90DL	0.80	41
COSS-100PC-3,CL-3,SB60(3)-3,SB60(5)-12AR90DL-G1<1	0.83	40
COSS-100PC-3,SB60(2)-3,CL-12AIRDL	1.67	23
COSS-100PC-3,SB60(2)-3,CL-12AIRDL-G1<1	1.72	21
COSS-100PC-3,SB60(2)-3,CL-12AR90DL	1.43	28
COSS-100PC-3,SB60(2)-3,CL-12AR90DL-G1<1	1.48	26
COSS-100PC-3,SB60(2)-3,SB60(4)-12AIRDL	0.98	34
COSS-100PC-3,SB60(2)-3,SB60(4)-12AIRDL-G1<1	0.99	33
COSS-100PC-3,SB60(2)-3,SB60(4)-12AR90DL	0.80	38
COSS-100PC-3,SB60(2)-3,SB60(2)-12AR90DL-G1<1	0.83	37
COSS-100PC-3,SB60(2)-3,IS20(4)-12AR90DL	1.21	33
COSS-100PC-3,SB60(2)-3,IS20(4)-12AR90DL-G1<1	1.27	31
COSS-100PC-3,S400(2)-3,S400(3)-12AR90DL	1.48	38
COSS-100PC-3,S400(2)-3,S400(3)-12AR90DL-G1<1	1.55	36
COSS-100PC-3,SB60(2)-3,CS73(4)-12AR90DL	1.18	33
COSS-100PC-3,SB60(2)-3,CS73(4)-12AR90DL-G1<1	1.23	31
COSS-100PC-3,SB60(2)-3,CL-3,CL-12AR90DL-12AIRDL	1.13	33
COSS-100PC-3,SB60(2)-3,ENAD(4)-12AIRDL	1.23	32
COSS-100PC-3,SB60(2)-3,ENAD(4)-12AIRDL-G1<1	1.19	33
COSS-100PC-3,SB60(2)-3,ENAD(4)-12AR90DL	1.40	28
COSS-100PC-3,SB60(2)-3,ENAD(4)-12AR90DL-G1<1	1.36	31
COSS-100PC-5,SB60(2)-5,CL-19AR90IU	1.53	26
COSS-100PC-5,SB60(2)-5,CL-19AR90IU-G1<1	1.52	26
COSS-100PC-6,SB60(2)-6,CL-17AR90IU	1.52	25
COSS-100PC-6,SB60(2)-6,CL-17AR90IU-G1<1	1.50	27
COSS-100PC-4,SB60(2)-4,SB60(4)-4,CL-11AR90IU	0.89	36
COSS-100PC-4,SB60(2)-4,SB60(2)-4,CL-11AR90IU-G1<1	0.86	37
COSS-100PC-5,SB60(2)-5,SB60(4)-5,CL-9AR90IU	1.02	33
COSS-100PC-5,SB60(2)-5,SB60(2)-5,CL-19AR90IU-G1<1	0.97	34
COSS-100PC-6,SB60(2)-6,SB60(4)-6,CL-8AR90IU	1.16	30
COSS-100PC-6,SB60(2)-6,SB60(2)-6,CL-8AR90IU-G1<1	1.08	32
COSS-100PC-3,SB60(2)-3,SB60(4)-3,CL-13AR90DL	0.79	39
COSS-100PC-3,SB60(2)-3,SB60(4)-3,CL-13AR90DL-G1<1	0.79	37
COSS-100PC-3,SB60(2)-3,CL-3,CL-13AR90DL	1.13	34
COSS-100PC-3,SB60(2)-3,CL-3,CL-13AR90DL-G1<1	1.13	32

Model Code	Window U-Value (W/m ² K)	Energy Rating (ER)
COSS-100PC-3,SB60(2)-3,CL-13AR90DL	1.44	29
COSS-100PC-3,SB60(2)-3,CL-13AR90DL-G1<1	1.44	26

290 Series Single Slider Window

Model Code	Window U-Value (W/m ² K)	Energy Rating (ER)
COSS-290SS-3,SB60(2)-3,CL-3,SCLE(6)-5AR90DC	1.68	18
COSS-290SS-3,SB60(2)-3,CL-3,SCLE(6)-8AR90DL	1.39	25
COSS-290SS-3,180(2)-3,CL-13AR90DL	1.73	30
COSS-290SS-3,SB60(2)-3,SCLE(4)-13AR90DL	1.47	24
COSS-290SS-3,SB60(2)-3,SCLE(4)-13AR90DL-G1<1	1.47	22
COSS-290SS-3,SB60(2)-3,CL-13AR90DL	1.68	20
COSS-290SS-3,CL-3,SB60(3)-13AR90DL	1.68	24
COSS-290SS-3,SB60(2)-3,CL-13AR90IU	1.73	19
COSS-290SS-3,CL-3,SB60(3)-13AR90IU	1.73	23
COSS-290SS-3,SB60(2)-3,IS20(4)-13AR90DL	1.48	24
COSS-290SS-3,SB60(2)-3,CS73(4)-13AR90DL	1.52	23

290 Series Single Hung Window

Model Code	Window U-Value (W/m ² K)	Energy Rating (ER)
COSS-290SH-3,SB60(2)-3,CL-3,SCLE(6)-5AR90DC	1.67	18
COSS-290SH-3,SB60(2)-3,CL-3,SCLE(6)-8AR90DL	1.38	25
COSS-290SH-3,180(2)-3,CL-13AR90DL	1.73	30
COSS-290SH-3,SB60(2)-3,SCLE(4)-13AR90DL	1.46	24
COSS-290SH-3,SB60(2)-3,SCLE(4)-13AR90DL-G1<1	1.46	22
COSS-290SH-3,SB60(2)-3,CL-13AR90DL	1.68	20
COSS-290SH-3,CL-3,SB60(3)-13AR90DL	1.68	24
COSS-290SH-3,SB60(2)-3,CL-13AR90IU	1.73	19
COSS-290SH-3,CL-3,SB60(3)-13AR90IU	1.73	23
COSS-290SH-3,SB60(2)-3,IS20(4)-13AR90DL	1.48	24
COSS-290SH-3,SB60(2)-3,CS73(4)-13AR90DL	1.51	23

290 Series Picture Window

Model Code	Window U-Value (W/m ² K)	Energy Rating (ER)
COSS-290PC-3,SB60(2)-3,CL-3,SCLE(6)-5AR90DC	1.46	25
COSS-290PC-3,SB60(2)-3,CL-3,SCLE(6)-8AR90DL	1.17	31
COSS-290PC-3,180(2)-3,CL-13AR90DL	1.54	37
COSS-290PC-3,SB60(2)-3,SCLE(4)-13AR90DL	1.25	30
COSS-290PC-3,SB60(2)-3,SCLE(4)-13AR90DL-G1<1	1.25	29
COSS-290PC-3,SB60(2)-3,CL-13AR90DL	1.48	26
COSS-290PC-3,CL-3,SB60(3)-13AR90DL	1.48	30
COSS-290PC-3,SB60(2)-3,CL-13AR90IU	1.53	25
COSS-290PC-3,CL-3,SB60(3)-13AR90IU	1.53	29
COSS-290PC-3,SB60(2)-3,IS20(4)-13AR90DL	1.27	30
COSS-290PC-3,SB60(2)-3,CS73(4)-13AR90DL	1.29	29

500 Series Single Slider Window

Model Code	Window U-Value (W/m ² K)	Energy Rating (ER)
COSS-500SS-3,SB60(2)-3,SCLE-13AR90DL	1.36	27
COSS-500SS-3,SB60(2)-3,SCLE-13AR90DL-G1<1	1.36	25
COSS-500SS-3,180(2)-3,CL-13AR90DL	1.63	33
COSS-500SS-3,SB60(2)-3,CL-13AR90DL	1.58	23
COSS-500SS-3,SB60(2)-3,CL-13AR90DL-G1<1	1.58	21
COSS-500SS-3,SB70(2)-3,CL-13AR90DL	1.54	18
COSS-500SS-3,SB70(2)-3,SCLE-13AR90DL-G1<1	1.54	17
COSS-500SS-3,SB60(2)-3,ENAD(4)-13AIRDL	1.51	24
COSS-500SS-3,SB60(2)-3,ENAD(4)-13AIRDL-G1<1	1.51	23
COSS-500SS-3,SB60(2)-3,CL-3,SCLE(6)-8AR90DL	1.29	28
COSS-500SS-3,SB60(2)-3,CL-3,SCLE(6)-8AR90DC	1.39	25

500 Series Single Hung Window

Model Code	Window U-Value (W/m ² K)	Energy Rating (ER)
COSS-500SH-3,SB60(2)-3,SCLE-13AR90DL	1.36	26
COSS-500SH-3,SB60(2)-3,SCLE-13AR90DL-G1<1	1.36	25
COSS-500SH-3,180(2)-3,CL-13AR90DL	1.63	33
COSS-500SH-3,SB60(2)-3,CL-13AR90DL	1.58	23
COSS-500SH-3,SB60(2)-3,CL-13AR90DL-G1<1	1.58	20
COSS-500SH-3,SB70(2)-3,CL-13AR90DL	1.55	17
COSS-500SH-3,SB70(2)-3,SCLE-13AR90DL-G1<1	1.55	16
COSS-500SH-3,SB60(2)-3,ENAD(4)-13AIRDL	1.51	24
COSS-500SH-3,SB60(2)-3,ENAD(4)-13AIRDL-G1<1	1.51	22
COSS-500SH-3,SB60(2)-3,CL-3,SCLE(6)-8AR90DL	1.29	27
COSS-500SH-3,SB60(2)-3,CL-3,SCLE(6)-8AR90DC	1.39	25

500 Series Picture Window

Model Code	Window U-Value (W/m ² K)	Energy Rating (ER)
COSS-500PC-4,SB60(2)-4,CL-11AR90DL	1.45	28
COSS-500PC-4,SB60(2)-4,CL-11AR90DL-G1<1	1.45	26
COSS-500PC-3,SB60(2)-3,CL-13AR90DL	1.45	28
COSS-500PC-3,SB60(2)-3,SCLE-13AR90DL	1.21	33
COSS-500PC-3,180(2)-3,CL-13AR90DL	1.51	39
COSS-500PC-3,SB60(2)-3,CL-3,SCLE(6)-8AR90DL	1.14	33
COSS-500PC-3,SB60(2)-3,CL-3,SCLE(6)-8AR90DC	1.20	32

Notes: Windows and doors are not intended for installation in storefronts, non-operable portions of curtain wall, fixed glazing cast into precast concrete panels, greenhouses, skylights or sloped glazing. Test procedures are designed to test the performance of the test specimen only and are not necessarily used to test the performance of the installation, particularly the perimeter sealant joint and anchoring of the assembly.



LABORATORIES

CERTIFICATION TESTING INSPECTION

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