QAI LABORATORIES
CERTIFICATION TESTING INSPECTION

VANCOUVER, BC: 877.461.8378 ph. | 604.527.8368 fx.
LOS ANGELES, CA: 909.483.0250 ph. | 909.483.0336 fx.
TULSA, OK: 918.437.8333 ph. | 918.437.8487 fx.
TORONTO, ON: 905.605.5444
WEBSITE: **WWW.QAI.ORG**

WINDOWS & DOORS LISTING PROGRAM

Customer: Cossins Windows Ltd.
Class: Fenestration Products – Energy Performance
Location: Calgary, Alberta
Website: http://www.cossinswindowsanddoors.com

Listing No. W451-2
Report No. W451-2 ED4
Project No. W451-2 ED4
Effective Date: November 30, 2010
Last Revised Date: September 5, 2017
Expires: N/A

Standards: CSA A440.2-09 "Fenestration Energy Performance"

Product: Wood 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: W451-2
     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: **900 Series Awning Window**

Model Code	U-Value (W/m²K)	Energy Rating
COSS-H900S-AWN-G02-4,036(2)-4,CL-11,Ar-SS	1.59	20
COSS-H900S-AWN-G02G1-4,036(2)-4,CL-11,Ar-SS-S	1.63	18
COSS-H900S-AWN-G02G2-4,036(2)-4,CL-11,Ar-SS-S	1.59	18
COSS-H900S-AWN-G02G3-4,036(2)-4,CL-11,Ar-SS-S	1.54	18

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Model Code	U-Value (W/m²K)	Energy Rating
COSS-H900S-AWN-G03-3,036(2)-3,CL-3,036(5)-11,Ar-SS	1.14	28
COSS-H900S-AWN-G03G1-3,036(2)-3,CL-3,036(5)-11,Ar-SS-S	1.14	27
COSS-H900S-AWN-G03G2-3,036(2)-3,CL-3,036(5)-11,Ar-SS-S	1.13	27
COSS-H900S-AWN-G03G3-3,036(2)-3,CL-3,036(5)-11,Ar-SS-S	1.10	26
COSS-H900S-AWN-G06-3,036(2)-3,CL-3,CL-11,Ar,Ai-SS	1.38	24
COSS-H900S-AWN-G06G1-3,036(2)-3,CL-3,CL-11,Ar,Ai-SS-S	1.40	23
COSS-H900S-AWN-G06G2-3,036(2)-3,CL-3,CL-11,Ar,Ai-SS-S	1.37	23
COSS-H900S-AWN-G06G3-3,036(2)-3,CL-3,CL-11,Ar,Ai-SS-S	1.33	22
COSS-H900S-AWN-G10-4,035(2)-4,CL-11,Ar-SS	1.59	21
COSS-H900S-AWN-G11-3,035(2)-3,CL-3,035(5)-11,Ar-SS	1.14	29
COSS-H900S-AWN-G14-3,035(2)-3,CL-3,CL-11,Ar,Ai-SS	1.38	24

900 Series Casement Window

Model Code	U-Value (W/m²K)	Energy Rating
COSS-H900S-CAS-G02-4,036(2)-4,CL-11,Ar-SS	1.59	20
COSS-H900S-CAS-G02G1-4,036(2)-4,CL-11,Ar-SS-S	1.64	18
COSS-H900S-CAS-G02G2-4,036(2)-4,CL-11,Ar-SS-S	1.61	18
COSS-H900S-CAS-G02G3-4,036(2)-4,CL-11,Ar-SS-S	1.57	17
COSS-H900S-CAS-G03-3,036(2)-3,CL-3,036(5)-11,Ar-SS	1.15	28
COSS-H900S-CAS-G03G1-3,036(2)-3,CL-3,036(5)-11,Ar-SS-S	1.16	26
COSS-H900S-CAS-G03G2-3,036(2)-3,CL-3,036(5)-11,Ar-SS-S	1.15	26
COSS-H900S-CAS-G03G3-3,036(2)-3,CL-3,036(5)-11,Ar-SS-S	1.13	25
COSS-H900S-CAS-G06-3,036(2)-3,CL-3,CL-11,Ar,Ai-SS	1.38	23
COSS-H900S-CAS-G06G1-3,036(2)-3,CL-3,CL-11,Ar,Ai-SS-S	1.40	22
COSS-H900S-CAS-G06G2-3,036(2)-3,CL-3,CL-11,Ar,Ai-SS-S	1.38	22

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Model Code	U-Value (W/m²K)	Energy Rating
COSS-H900S-CAS-G06G3-3,036(2)-3,CL-3,CL-11,Ar,Ai-SS-S	1.35	21
COSS-H900S-CAS-G10-4,035(2)-4,CL-11,Ar-SS	1.59	20
COSS-H900S-CAS-G11-3,035(2)-3,CL-3,035(5)-11,Ar-SS	1.15	28
COSS-H900S-CAS-G14-3,035(2)-3,CL-3,CL-11,Ar,Ai-SS	1.38	24

900 Series Fixed Sash Window

Model Code	U-Value (W/m²K)	Energy Rating
COSS-H900S-FIX-G02-4,036(2)-4,CL-11,Ar-SS	1.53	24
COSS-H900S-FIX-G02G1-4,036(2)-4,CL-11,Ar-SS-S	1.60	21
COSS-H900S-FIX-G02G2-4,036(2)-4,CL-11,Ar-SS-S	1.56	21
COSS-H900S-FIX-G02G3-4,036(2)-4,CL-11,Ar-SS-S	1.50	20
COSS-H900S-FIX-G03-3,036(2)-3,CL-3,036(5)-11,Ar-SS	1.02	33
COSS-H900S-FIX-G03G1-3,036(2)-3,CL-3,036(5)-11,Ar-SS-S	1.03	31
COSS-H900S-FIX-G03G2-3,036(2)-3,CL-3,036(5)-11,Ar-SS-S	1.02	31
COSS-H900S-FIX-G03G3-3,036(2)-3,CL-3,036(5)-11,Ar-SS-S	1.00	29
COSS-H900S-FIX-G04-4,036(2)-4,CL-4,036(5)-10,Ar-SS	1.06	32
COSS-H900S-FIX-G04G1-4,036(2)-4,CL-4,036(5)-10,Ar-SS-S	1.08	30
COSS-H900S-FIX-G04G2-4,036(2)-4,CL-4,036(5)-10,Ar-SS-S	1.07	30
COSS-H900S-FIX-G04G3-4,036(2)-4,CL-4,036(5)-10,Ar-SS-S	1.04	28
COSS-H900S-FIX-G05-5,036(2)-5,CL-5,036(5)-8,Ar-SS	1.18	29
COSS-H900S-FIX-G05G1-5,036(2)-5,CL-5,036(5)-8,Ar-SS-S	1.21	27
COSS-H900S-FIX-G05G2-5,036(2)-5,CL-5,036(5)-8,Ar-SS-S	1.19	27
COSS-H900S-FIX-G05G3-5,036(2)-5,CL-5,036(5)-8,Ar-SS-S	1.16	26
COSS-H900S-FIX-G06-3,036(2)-3,CL-3,CL-11,Ar,Ai-SS	1.30	28
COSS-H900S-FIX-G06G1-3,036(2)-3,CL-3,CL-11,Ar,Ai-SS-S	1.33	26

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Model Code	U-Value (W/m²K)	Energy Rating
COSS-H900S-FIX-G06G2-3,036(2)-3,CL-3,CL-11,Ar,Ai-SS-S	1.30	25
COSS-H900S-FIX-G06G3-3,036(2)-3,CL-3,CL-11,Ar,Ai-SS-S	1.27	24
COSS-H900S-FIX-G07-4,036(2)-4,CL-4,CL-10,Ar,Ai-SS	1.33	27
COSS-H900S-FIX-G07G1-4,036(2)-4,CL-4,CL-10,Ar,Ai-SS-S	1.38	25
COSS-H900S-FIX-G07G2-4,036(2)-4,CL-4,CL-10,Ar,Ai-SS-S	1.35	24
COSS-H900S-FIX-G07G3-4,036(2)-4,CL-4,CL-10,Ar,Ai-SS-S	1.30	24
COSS-H900S-FIX-G08-5,036(2)-5,CL-5,CL-8,Ar,Ai-SS	1.45	24
COSS-H900S-FIX-G08G1-5,036(2)-5,CL-5,CL-8,Ar,Ai-SS-S	1.52	22
COSS-H900S-FIX-G08G2-5,036(2)-5,CL-5,CL-8,Ar,Ai-SS-S	1.48	21
COSS-H900S-FIX-G08G3-5,036(2)-5,CL-5,CL-8,Ar,Ai-SS-S	1.43	21
COSS-H900S-FIX-G11-3,035(2)-3,CL-3,035(5)-11,Ar-SS	1.02	33
COSS-H900S-FIX-G14-3,035(2)-3,CL-3,CL-11,Ar,Ai-SS	1.29	28

900 Series Picture Window

Model Code	U-Value (W/m²K)	Energy Rating
COSS-H900S-PIC-G01-6,036(2)-6,CL-19,Ar-SS	1.52	26
COSS-H900S-PIC-G01G1-6,036(2)-6,CL-19,Ar-SS-S	1.56	24
COSS-H900S-PIC-G01G2-6,036(2)-6,CL-19,Ar-SS-S	1.52	23
COSS-H900S-PIC-G01G3-6,036(2)-6,CL-19,Ar-SS-S	1.47	22
COSS-H900S-PIC-G02-4,036(2)-4,CL-11,Ar-SS	1.50	27
COSS-H900S-PIC-G02G1-4,036(2)-4,CL-11,Ar-SS-S	1.57	24
COSS-H900S-PIC-G02G2-4,036(2)-4,CL-11,Ar-SS-S	1.53	24
COSS-H900S-PIC-G02G3-4,036(2)-4,CL-11,Ar-SS-S	1.47	23
COSS-H900S-PIC-G03-3,036(2)-3,CL-3,036(5)-11,Ar-SS	0.88	37
COSS-H900S-PIC-G03G1-3,036(2)-3,CL-3,036(5)-11,Ar-SS-S	0.90	36

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COSS-H900S-PIC-G03G2-3,036(2)-3,CL-3,036(5)-11,Ar-SS-S	0.88	36
COSS-H900S-PIC-G03G3-3,036(2)-3,CL-3,036(5)-11,Ar-SS-S	0.86	34
COSS-H900S-PIC-G04-4,036(2)-4,CL-4,036(5)-10,Ar-SS	0.93	36
COSS-H900S-PIC-G04G1-4,036(2)-4,CL-4,036(5)-10,Ar-SS-S	0.95	35
COSS-H900S-PIC-G04G2-4,036(2)-4,CL-4,036(5)-10,Ar-SS-S	0.94	34
COSS-H900S-PIC-G04G3-4,036(2)-4,CL-4,036(5)-10,Ar-SS-S	0.91	33
COSS-H900S-PIC-G05-5,036(2)-5,CL-5,036(5)-8,Ar-SS	1.06	34
COSS-H900S-PIC-G05G1-5,036(2)-5,CL-5,036(5)-8,Ar-SS-S	1.10	32
COSS-H900S-PIC-G05G2-5,036(2)-5,CL-5,036(5)-8,Ar-SS-S	1.08	31
COSS-H900S-PIC-G05G3-5,036(2)-5,CL-5,036(5)-8,Ar-SS-S	1.05	30
COSS-H900S-PIC-G06-3,036(2)-3,CL-3,CL-11,Ar,Ai-SS	1.19	32
COSS-H900S-PIC-G06G1-3,036(2)-3,CL-3,CL-11,Ar,Ai-SS-S	1.23	30
COSS-H900S-PIC-G06G2-3,036(2)-3,CL-3,CL-11,Ar,Ai-SS-S	1.20	30
COSS-H900S-PIC-G06G3-3,036(2)-3,CL-3,CL-11,Ar,Ai-SS-S	1.16	28
COSS-H900S-PIC-G07-4,036(2)-4,CL-4,CL-10,Ar,Ai-SS	1.24	31
COSS-H900S-PIC-G07G1-4,036(2)-4,CL-4,CL-10,Ar,Ai-SS-S	1.29	28
COSS-H900S-PIC-G07G2-4,036(2)-4,CL-4,CL-10,Ar,Ai-SS-S	1.25	28
COSS-H900S-PIC-G07G3-4,036(2)-4,CL-4,CL-10,Ar,Ai-SS-S	1.21	27
COSS-H900S-PIC-G08-5,036(2)-5,CL-5,CL-8,Ar,Ai-SS	1.37	28
COSS-H900S-PIC-G08G1-5,036(2)-5,CL-5,CL-8,Ar,Ai-SS-S	1.45	25
COSS-H900S-PIC-G08G2-5,036(2)-5,CL-5,CL-8,Ar,Ai-SS-S	1.41	25
COSS-H900S-PIC-G08G3-5,036(2)-5,CL-5,CL-8,Ar,Ai-SS-S	1.36	24
COSS-H900S-PIC-G09-6,035(2)-6,CL-19,Ar-SS	1.52	26
COSS-H900S-PIC-G10-4,035(2)-4,CL-11,Ar-SS	1.49	28

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COSS-H900S-PIC-G11-3,035(2)-3,CL-3,035(5)-11,Ar-SS	0.88	38
COSS-H900S-PIC-G12-4,035(2)-4,CL-4,035(5)-10,Ar-SS	0.93	37
COSS-H900S-PIC-G13-5,035(2)-5,CL-5,035(5)-8,Ar-SS	1.06	34
COSS-H900S-PIC-G14-3,035(2)-3,CL-3,CL-11,Ar,Ai-SS	1.19	33
COSS-H900S-PIC-G15-4,035(2)-4,CL-4,CL-10,Ar,Ai-SS	1.23	32
COSS-H900S-PIC-G16-5,035(2)-5,CL-5,CL-8,Ar,Ai-SS	1.36	29

Notes: Windows 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.

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