

LISTING PROGRAM

Customer: Bethel Windows & Doors
 Class: Fenestration Products – Energy Performance
 Location: Coaldale, Alberta
 Website: www.bethelwindows.ca
 Listing No. W406
 Project No. W406-6 ED8
 Effective Date: October 6, 2009
 Last Revised January 24, 2022
 Date:
 Expires: N/A

Standards: CSA A440.2 Fenestration Energy Performance

Product: Vinyl Windows

Markings: Products are marked with the following 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: W406
- c) The 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)
BTHL-100AW-3,CL-3,SB60(3)-12AIRDL	1.66	20
BTHL-100AW-3,CL-3,SB60(3)-12AIRDL-G1<1	1.68	19
BTHL-100AW-3,CL-3,SB60(3)-12AR90DL	1.48	24
BTHL-100AW-3,CL-3,SB60(3)-12AR90DL-G1<1	1.50	23
BTHL-100AW-3,CL-3,SB60(3)-3,SB60(5)-12AIRDL	1.11	29
BTHL-100AW-3,CL-3,SB60(3)-3,SB60(5)-12AIRDL-G1<1	1.12	28
BTHL-100AW-3,CL-3,SB60(3)-3,SB60(5)-12AR90DL	0.98	32
BTHL-100AW-3,CL-3,SB60(3)-3,SB60(5)-12AR90DL-G1<1	0.99	31
BTHL-100AW-3,SB60(2)-3,CL-12AIRDL	1.66	18
BTHL-100AW-3,SB60(2)-3,CL-12AIRDL-G1<1	1.69	17
BTHL-100AW-3,SB60(2)-3,CL-12AR90DL	1.48	21

Model Code	Window U-Value (W/m ² K)	Energy Rating (ER)
BTHL-100AW-3,SB60(2)-3,CL-12AR90DL-G1<1	1.50	20
BTHL-100AW-3,SB60(2)-3,SB60(4)-12AIRDL	1.11	27
BTHL-100AW-3,SB60(2)-3,SB60(4)-12AIRDL-G1<1	1.12	26
BTHL-100AW-3,SB60(2)-3,SB60(4)-12AR90DL	0.98	29
BTHL-100AW-3,SB60(2)-3,SB60(2)-12AR90DL-G1<1	0.99	29
BTHL-100AW-3,SB60(2)-3,IS20(4)-12AR90DL	1.29	26
BTHL-100AW-3,SB60(2)-3,IS20(4)-12AR90DL-G1<1	1.31	25
BTHL-100AW-3,S400(2)-3,S400(3)-12AR90DL	1.47	30
BTHL-100AW-3,S400(2)-3,S400(3)-12AR90DL-G1<1	1.50	29
BTHL-100AW-3,SB60(2)-3,CS73(4)-12AR90DL	1.27	25
BTHL-100AW-3,SB60(2)-3,CS73(4)-12AR90DL-G1<1	1.28	25
BTHL-100AW-3,SB60(2)-3,CL-3,CL-12AR90DL-12AIRDL	1.26	25
BTHL-100AW-3,SB60(2)-3,ENAD(4)-12AIRDL	1.44	22
BTHL-100AW-3,SB60(2)-3,ENAD(4)-12AIRDL-G1<1	1.44	22
BTHL-100AW-3,SB60(2)-3,ENAD(4)-12AR90DL	1.30	25
BTHL-100AW-3,SB60(2)-3,ENAD(4)-12AR90DL-G1<1	1.30	25
BTHL-100AW-4,SB60(2)-4,SB60(4)-4,CL-11AR90DL	1.01	29
BTHL-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)
BTHL-100CA-3,CL-3,SB60(3)-12AIRDL	1.66	21
BTHL-100CA-3,CL-3,SB60(3)-12AIRDL-G1<1	1.69	19
BTHL-100CA-3,CL-3,SB60(3)-12AR90DL	1.48	25
BTHL-100CA-3,CL-3,SB60(3)-12AR90DL-G1<1	1.52	23
BTHL-100CA-3,CL-3,SB60(3)-3,SB60(5)-12AIRDL	1.12	29
BTHL-100CA-3,CL-3,SB60(3)-3,SB60(5)-12AIRDL-G1<1	1.13	29
BTHL-100CA-3,CL-3,SB60(3)-3,SB60(5)-12AR90DL	0.99	32
BTHL-100CA-3,CL-3,SB60(3)-3,SB60(5)-12AR90DL-G1<1	1.01	31
BTHL-100CA-3,SB60(2)-3,CL-12AIRDL	1.66	18
BTHL-100CA-3,SB60(2)-3,CL-12AIRDL-G1<1	1.69	17
BTHL-100CA-3,SB60(2)-3,CL-12AR90DL	1.48	22
BTHL-100CA-3,SB60(2)-3,CL-12AR90DL-G1<1	1.52	21
BTHL-100CA-3,SB60(2)-3,SB60(4)-12AIRDL	1.12	27
BTHL-100CA-3,SB60(2)-3,SB60(4)-12AIRDL-G1<1	1.13	26
BTHL-100CA-3,SB60(2)-3,SB60(4)-12AR90DL	0.99	30
BTHL-100CA-3,SB60(2)-3,SB60(2)-12AR90DL-G1<1	1.01	29
BTHL-100CA-3,SB60(2)-3,IS20(4)-12AR90DL	1.32	25
BTHL-100CA-3,SB60(2)-3,IS20(4)-12AR90DL-G1<1	1.36	24
BTHL-100CA-3,S400(2)-3,S400(3)-12AR90DL	1.52	29
BTHL-100CA-3,S400(2)-3,S400(3)-12AR90DL-G1<1	1.56	28
BTHL-100CA-3,SB60(2)-3,CS73(4)-12AR90DL	1.30	25
BTHL-100CA-3,SB60(2)-3,CS73(4)-12AR90DL-G1<1	1.33	24
BTHL-100CA-3,SB60(2)-3,CL-3,CL-12AR90DL-12AIRDL	1.24	26
BTHL-100CA-3,SB60(2)-3,ENAD(4)-12AIRDL	1.32	25
BTHL-100CA-3,SB60(2)-3,ENAD(4)-12AIRDL-G1<1	1.30	26
BTHL-100CA-3,SB60(2)-3,ENAD(4)-12AR90DL	1.45	22



Model Code	Window U-Value (W/m ² K)	Energy Rating (ER)
BTHL-100CA-3,SB60(2)-3,ENAD(4)-12AR90DL-G1<1	1.43	23
BTHL-100CA-4,SB60(2)-4,SB60(4)-4,CL-11AR90DL	1.04	29
BTHL-100CA-4,SB60(2)-4,SB60(2)-4,CL-11AR90DL-G1<1	1.02	30
BTHL-100AW-4,SB60(2)-4,SB60(2)-4,CL-11AR90DL-G1<1	1.00	30

100 Series Picture Window

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

Model Code	Window U-Value (W/m ² K)	Energy Rating (ER)
BTHL-100PC-3,SB60(2)-3,CL-3,CL-13AR90DL-G1<1	1.13	32
BTHL-100PC-3,SB60(2)-3,CL-13AR90DL	1.44	29
BTHL-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)
BTHL-290SS-3,SB60(2)-3,CL-3,SCLE(6)-5AR90DC	1.68	18
BTHL-290SS-3,SB60(2)-3,CL-3,SCLE(6)-8AR90DL	1.39	25
BTHL-290SS-3,180(2)-3,CL-13AR90DL	1.73	30
BTHL-290SS-3,SB60(2)-3,SCLE(4)-13AR90DL	1.47	24
BTHL-290SS-3,SB60(2)-3,SCLE(4)-13AR90DL-G1<1	1.47	22
BTHL-290SS-3,SB60(2)-3,CL-13AR90DL	1.68	20
BTHL-290SS-3,CL-3,SB60(3)-13AR90DL	1.68	24
BTHL-290SS-3,SB60(2)-3,CL-13AR90IU	1.73	19
BTHL-290SS-3,CL-3,SB60(3)-13AR90IU	1.73	23
BTHL-290SS-3,SB60(2)-3,IS20(4)-13AR90DL	1.48	24
BTHL-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)
BTHL-290SH-3,SB60(2)-3,CL-3,SCLE(6)-5AR90DC	1.67	18
BTHL-290SH-3,SB60(2)-3,CL-3,SCLE(6)-8AR90DL	1.38	25
BTHL-290SH-3,180(2)-3,CL-13AR90DL	1.73	30
BTHL-290SH-3,SB60(2)-3,SCLE(4)-13AR90DL	1.46	24
BTHL-290SH-3,SB60(2)-3,SCLE(4)-13AR90DL-G1<1	1.46	22
BTHL-290SH-3,SB60(2)-3,CL-13AR90DL	1.68	20
BTHL-290SH-3,CL-3,SB60(3)-13AR90DL	1.68	24
BTHL-290SH-3,SB60(2)-3,CL-13AR90IU	1.73	19
BTHL-290SH-3,CL-3,SB60(3)-13AR90IU	1.73	23
BTHL-290SH-3,SB60(2)-3,IS20(4)-13AR90DL	1.48	24
BTHL-290SH-3,SB60(2)-3,CS73(4)-13AR90DL	1.51	23

290 Series Single Hung Window

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

Model Code	Window U-Value (W/m ² K)	Energy Rating (ER)
BTHL-290PC-3,SB60(2)-3,IS20(4)-13AR90DL	1.27	30
BTHL-290PC-3,SB60(2)-3,CS73(4)-13AR90DL	1.29	29

290 Series Picture Window

Model Code	Window U-Value (W/m ² K)	Energy Rating (ER)
BTHL-290PC-3,SB60(2)-3,CL-3,SCLE(6)-5AR90DC	1.46	25
BTHL-290PC-3,SB60(2)-3,CL-3,SCLE(6)-8AR90DL	1.17	31
BTHL-290PC-3,180(2)-3,CL-13AR90DL	1.54	37
BTHL-290PC-3,SB60(2)-3,SCLE(4)-13AR90DL	1.25	30
BTHL-290PC-3,SB60(2)-3,SCLE(4)-13AR90DL-G1<1	1.25	29
BTHL-290PC-3,SB60(2)-3,CL-13AR90DL	1.48	26
BTHL-290PC-3,CL-3,SB60(3)-13AR90DL	1.48	30
BTHL-290PC-3,SB60(2)-3,CL-13AR90IU	1.53	25
BTHL-290PC-3,CL-3,SB60(3)-13AR90IU	1.53	29
BTHL-290PC-3,SB60(2)-3,IS20(4)-13AR90DL	1.27	30
BTHL-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)
BTHL-500SS-3,SB60(2)-3,SCLE-13AR90DL	1.36	27
BTHL-500SS-3,SB60(2)-3,SCLE-13AR90DL-G1<1	1.36	25
BTHL-500SS-3,180(2)-3,CL-13AR90DL	1.63	33
BTHL-500SS-3,SB60(2)-3,CL-13AR90DL	1.58	23
BTHL-500SS-3,SB60(2)-3,CL-13AR90DL-G1<1	1.58	21
BTHL-500SS-3,SB70(2)-3,CL-13AR90DL	1.54	18
BTHL-500SS-3,SB70(2)-3,SCLE-13AR90DL-G1<1	1.54	17
BTHL-500SS-3,SB60(2)-3,ENAD(4)-13AIRDL	1.51	24
BTHL-500SS-3,SB60(2)-3,ENAD(4)-13AIRDL-G1<1	1.51	23
BTHL-500SS-3,SB60(2)-3,CL-3,SCLE(6)-8AR90DL	1.29	28
BTHL-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)
BTHL-500SH-3,SB60(2)-3,SCLE-13AR90DL	1.36	26
BTHL-500SH-3,SB60(2)-3,SCLE-13AR90DL-G1<1	1.36	25
BTHL-500SH-3,180(2)-3,CL-13AR90DL	1.63	33
BTHL-500SH-3,SB60(2)-3,CL-13AR90DL	1.58	23
BTHL-500SH-3,SB60(2)-3,CL-13AR90DL-G1<1	1.58	20
BTHL-500SH-3,SB70(2)-3,CL-13AR90DL	1.55	17
BTHL-500SH-3,SB70(2)-3,SCLE-13AR90DL-G1<1	1.55	16
BTHL-500SH-3,SB60(2)-3,ENAD(4)-13AIRDL	1.51	24
BTHL-500SH-3,SB60(2)-3,ENAD(4)-13AIRDL-G1<1	1.51	22
BTHL-500SH-3,SB60(2)-3,CL-3,SCLE(6)-8AR90DL	1.29	27
BTHL-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)
BTHL-500PC-4,SB60(2)-4,CL-11AR90DL	1.45	28
BTHL-500PC-4,SB60(2)-4,CL-11AR90DL-G1<1	1.45	26
BTHL-500PC-3,SB60(2)-3,CL-13AR90DL	1.45	28
BTHL-500PC-3,SB60(2)-3,SCLE-13AR90DL	1.21	33
BTHL-500PC-3,180(2)-3,CL-13AR90DL	1.51	39
BTHL-500PC-3,SB60(2)-3,CL-3,SCLE(6)-8AR90DL	1.14	33
BTHL-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.

The materials, products or systems listed herein have been qualified to bear the QAI Listing Mark under the conditions stated with each Listing. Only those products bearing the QAI Listing Mark are considered to be listed by QAI. No warranty is expressed or implied, and no guarantee is provided that any jurisdictional authority will accept the Listing found herein. The appropriate authorities should be contacted regarding the acceptability of any given Listing. Visit the QAI Online Listing Directory located at www.qai.org for the most up to date version of this Listing and to validate that this QAI Listing is active. Questions regarding this listing may be directed to info@qai.org. Please include the listing number in the request.
