

WINDOWS LISTING PROGRAM

Customer: Bethel Windows & Doors
Class: Windows and Doors – Energy Performance
Location: Coaldale, Alberta
Website: www.bethelwindows.ca

Listing No. W406
Project No. W406-6 Edition 7

Effective Date: October 6, 2009
Last Revised Date: August 14, 2017

Standards: CSA A440.2 Energy Performance of Windows and other Fenestration Systems

Product: Vinyl Windows

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

- a) Manufacturer's name or trademark
- b) QAI logo with 'c' identifier
- c) QAI file Number: W406
- d) The wording "Evaluated for energy performance in accordance with CSA A440.2"
- e) The wording "Évalué pour la performance d'énergie en accord à la norme CSA A440.2"



Models / 100 Series Picture Window
Ratings:

Glass Option	Model Code	Window U-Value (W/m ² K)	Energy Rating (ER)
1	100PIC-G01	1.67	27
2	100PIC-G01-Grids	1.71	25
3	100PIC-G02	1.43	32
4	100PIC-G02-Grids	1.48	30
5	100PIC-G03	0.98	37
6	100PIC-G03-Grids	0.99	36
7	100PIC-G04	0.80	41
8	100PIC-G04-Grids	0.83	40
9	100PIC-G05	1.67	23
10	100PIC-G05-Grids	1.72	21
11	100PIC-G06	1.43	28
12	100PIC-G06-Grids	1.48	26
13	100PIC-G07	0.98	34
14	100PIC-G07-Grids	0.99	33
15	100PIC-G08	0.80	38
16	100PIC-G08-Grids	0.83	37
17	100PIC-G17	1.21	33
18	100PIC-G17G	1.27	31
19	100PIC-G18	1.48	38
20	100PIC-G18G	1.55	36
21	100PIC-G19	1.18	33
22	100PIC-G19G	1.23	31
23	100PIC-G20	1.13	33



100 Series Casement Window

Glass Option	Model Code	Window U-Value (W/m ² K)	Energy Rating (ER)
1	100CAS-G01	1.66	21
2	100CAS-G01-Grids	1.69	19
3	100CAS-G02	1.48	25
4	100CAS-G02-Grids	1.52	23
5	100CAS-G03	1.12	29
6	100CAS-G03-Grids	1.13	29
7	100CAS-G04	0.99	32
8	100CAS-G04-Grids	1.01	31
9	100CAS-G05	1.66	18
10	100CAS-G05-Grids	1.69	17
11	100CAS-G06	1.48	22
12	100CAS-G06-Grids	1.52	21
13	100CAS-G07	1.12	27
14	100CAS-G07-Grids	1.13	26
15	100CAS-G08	0.99	30
16	100CAS-G08-Grids	1.01	29
17	100CAS-G17	1.32	25
18	100CAS-G17G	1.36	24
19	100CAS-G18	1.52	29
20	100CAS-G18G	1.56	28
21	100CAS-G19	1.30	25
22	100CAS-G19G	1.33	24
23	100CAS-G20	1.24	26



100 Series Awning Window

Glass Option	Model Code	Window U-Value (W/m ² K)	Energy Rating (ER)
1	100AWN-G01	1.66	20
2	100AWN-G01-Grids	1.68	19
3	100AWN-G02	1.48	24
4	100AWN-G02-Grids	1.50	23
5	100AWN-G03	1.11	29
6	100AWN-G03-Grids	1.12	28
7	100AWN-G04	0.98	32
8	100AWN-G04-Grids	0.99	31
9	100AWN-G05	1.66	18
10	100AWN-G05-Grids	1.68	17
11	100AWN-G06	1.48	21
12	100AWN-G06-Grids	1.50	20
13	100AWN-G07	1.11	27
14	100AWN-G07-Grids	1.12	26
15	100AWN-G08	0.98	29
16	100AWN-G08-Grids	0.99	29
17	100AWN-G17	1.29	26
18	100AWN-G17G	1.31	25
19	100AWN-G18	1.47	30
20	100AWN-G18G	1.50	29
21	100AWN-G19	1.27	25
22	100AWN-G19G	1.28	25
23	100AWN-G20	1.26	25



200/290 Series Picture Window

Glass Option	Model Code	Window U-Value (W/m ² K)	Energy Rating (ER)
1	PIC_GO1	1.51	25
2	PIC_GO1_G	1.57	23
3	PIC_GO2	1.51	29
4	PIC_GO2_G	1.58	26
5	PIC_GO3	1.55	24
6	PIC_GO3_G	1.61	22
7	PIC_GO4	1.55	28
8	PIC_GO4_G	1.61	25
9	PIC_GO5	1.30	29
10	PIC_GO5_G	1.36	27
11	PIC_GO6	1.56	35
12	PIC_GO6_G	1.62	32
13	PIC_GO7	1.26	30
14	PIC_GO7_G	1.31	28



200/290 Series Single Hung Window

Glass Option	Model Code	Window U-Value (W/m ² K)	Energy Rating (ER)
1	VS_GO1	1.69	19
2	VS_GO1_G	1.74	17
3	VS_GO2	1.69	22
4	VS_GO2_G	1.74	21
5	VS_GO3	1.73	19
6	VS_GO3_G	1.79	16
7	VS_GO4	1.73	22
8	VS_GO4_G	1.79	20
9	VS_GO5	1.49	24
10	VS_GO5_G	1.54	22
11	VS_GO6	1.73	28
12	VS GO6_G	1.79	26
13	VS_GO7	1.47	24
14	VS_GO7_G	1.52	22



200/290 Series Horizontal Sliding Window

Glass Option	Model Code	Window U-Value (W/m ² K)	Energy Rating (ER)
1	HS_GO1	1.69	19
2	HS_GO1_G	1.74	16
3	HS_GO2	1.69	22
4	HS_GO2_G	1.74	20
5	HS_GO3	1.73	18
6	HS_GO3_G	1.79	15
7	HS_GO4	1.73	21
8	HS_GO4_G	1.79	19
9	HS_GO5	1.50	23
10	HS_GO5_G	1.54	22
11	HS_GO6	1.73	28
12	HS GO6_G	1.79	26
13	HS_GO7	1.48	24
14	HS_GO7_G	1.52	22



500 Series Picture Window

Glass Option	Model Code	Window U-Value (W/m ² K)	Energy Rating (ER)
1	500PIC-CI(3)-Air(12.7-DL)-LoE(3, e=0.035)	1.67	27
2	500PIC-CI(3)-Air(12.7-DL-Grid)-LoE(3, e=0.035)	1.73	24
3	500PIC-CI(3)-Arg(12.7-DL)-LoE(3, e=0.035)	1.45	32
4	500PIC-CI(3)-Arg(12.7-DL-Grid)-LoE(3, e=0.035)	1.51	29
5	500PIC-LoE(3,0.035)-Air(12.7-DL)-LoE(3, e=0.147)	1.36	29
6	500PIC-LoE(3,0.035)-Air(12.7-DL-Grid)-LoE(3, e=0.147)	1.41	27
7	500PIC-LoE(3,0.035)-Arg(12.7-DL)-LoE(3, e=0.147)	1.20	32
8	500PIC-LoE(3,0.035)-Arg(12.7-DL-Grid)-LoE(3, e=0.147)	1.26	30
9	500PIC-CI(3)-Air(12.7-DL)-LoE(3, e=0.147)	1.93	30
10	500PIC-CI(3)-Air(12.7-DL-Grid)-LoE(3, e=0.147)	1.98	27
11	500PIC-CI(3)-Arg(12.7-DL)-LoE(3, e=0.147)	1.85	31
12	500PIC-CI(3)-Arg(12.7-DL-Grid)-LoE(3, e=0.147)	1.90	29

500 Series Horizontal Sliding Window

Glass Option	Model Code	Window U-Value (W/m ² K)	Energy Rating (ER)
1	500HS-CI(3)-Air(12.7-DL)-LoE(3, e=0.035)	1.80	21
2	500HS-CI(3)-Air(12.7-DL-Grid)-LoE(3, e=0.035)	1.85	19
3	500HS-CI(3)-Arg(12.7-DL)-LoE(3, e=0.035)	1.60	26
4	500HS-CI(3)-Arg(12.7-DL-Grid)-LoE(3, e=0.035)	1.65	24
5	500HS-LoE(3, 0.035)-Air(12.7-DL)-LoE(3, e=0.147)	1.52	23
6	500HS-LoE(3, 0.035)-Air(12.7-DL-Grid)-LoE(3, e=0.147)	1.56	21
7	500HS-LoE(3, 0.035)-Arg(12.7-DL)-LoE(3, e=0.147)	1.38	26
8	500HS-LoE(3, 0.035)-Arg(12.7-DL-Grid)-LoE(3, e=0.147)	1.42	25
9	500HS-CI(3)-Air(12.7-DL)-LoE(3, e=0.147)	2.06	24
10	500HS-CI(3)-Air(12.7-DL-Grid)-LoE(3, e=0.147)	2.09	22
11	500HS-CI(3)-Arg(12.7-DL)-LoE(3, e=0.147)	1.99	25
12	500HS-CI(3)-Arg(12.7-DL-Grid)-LoE(3, e=0.147)	2.02	23



500 Series Single Hung Window

Glass Option	Model Code	Window U-Value (W/m ² K)	Energy Rating (ER)
1	500VS-CI(3)-Air(12.7-DL)-LoE(3, e=0.035)	1.81	21
2	500VS-CI(3)-Air(12.7-DL-Grid)-LoE(3, e=0.035)	1.86	19
3	500VS-CI(3)-Arg(12.7-DL)-LoE(3, e=0.035)	1.60	25
4	500VS-CI(3)-Arg(12.7-DL-Grid)-LoE(3, e=0.035)	1.66	23
5	500VS-LoE(3, 0.035)-Air(12.7-DL)-LoE(3, e=0.147)	1.52	22
6	500VS-LoE(3, 0.035)-Air(12.7-DL-Grid)-LoE(3, e=0.147)	1.56	21
7	500VS-LoE(3, 0.035)-Arg(12.7-DL)-LoE(3, e=0.147)	1.38	26
8	500VS-LoE(3, 0.035)-Arg(12.7-DL-Grid)-LoE(3, e=0.147)	1.42	24
9	500VS-CI(3)-Air(12.7-DL)-LoE(3, e=0.147)	2.05	23
10	500VS-CI(3)-Air(12.7-DL-Grid)-LoE(3, e=0.147)	2.09	21
11	500VS-CI(3)-Arg(12.7-DL)-LoE(3, e=0.147)	1.98	25
12	500VS-CI(3)-Arg(12.7-DL-Grid)-LoE(3, e=0.147)	2.02	23

Notes: Listed products meet the energy requirements of the standards listed above. 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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