

WINDOWS & DOORS LISTING PROGRAM

Customer: West Coast Designed Windows Ltd.
Class: Fenestration Products – Energy Performance
Location: Delta, British Columbia
Website: www.westcoastwindows.ca

Listing No. W484
Project No. W484-1 ED9
Effective Date: April 19, 2010
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Standards: CSA A440.2-19 “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: W484
- 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:

Classic Plus Series Casement Window

Glass / Grille Option #	Model Code	U-Value (W/m ² K)	Product SHGC	Energy Rating
G01	WCW-CP-CA-3,180(2)-3,180(4)-3,i89(6)-13AR90ST	0.91	0.34	40
G02	WCW-CP-CA-3,180(2)-3,CL-3,180(5)-13AR90ST	0.98	0.36	39
G03	WCW-CP-CA-4,180(2)-4,180(4)-4,i89(6)-11AR90ST	0.95	0.33	38
G04	WCW-CP-CA-4,180(2)-4,CL-4,180(5)-11AR90ST	1.02	0.35	38
G05	WCW-CP-CA-5,180(2)-5,180(4)-5,i89(6)-10AR90ST	0.99	0.32	37
G06	WCW-CP-CA-5,180(2)-5,CL-5,180(5)-10AR90ST	1.08	0.34	36
G07	WCW-CP-CA-3,180(2)-3,180(4)-7,i89LAMI(6)-11AR90ST	0.94	0.34	39
G08	WCW-CP-CA-3,180(2)-3,CL-7,180LAMI(5)-11AR90ST	1.01	0.36	38
G09	WCW-CP-CA-3,180(2)-3,180(4)-3,i89(6)-13AR90ST-G1<1	0.91	0.31	38
G10	WCW-CP-CA-3,180(2)-3,CL-3,180(5)-13AR90ST-G1<1	0.98	0.33	37
G11	WCW-CP-CA-4,180(2)-4,180(4)-4,i89(6)-11AR90ST-G1<1	0.95	0.30	36
G12	WCW-CP-CA-4,180(2)-4,CL-4,180(5)-11AR90ST-G1<1	1.02	0.31	35
G13	WCW-CP-CA-5,180(2)-5,180(4)-5,i89(6)-10AR90ST-G1<1	0.99	0.29	35
G14	WCW-CP-CA-5,180(2)-5,CL-5,180(5)-10AR90ST-G1<1	1.08	0.31	34
G15	WCW-CP-CA-3,180(2)-3,180(4)-7,i89LAMI(6)-11AR90ST-G1<1	0.94	0.31	37
G16	WCW-CP-CA-3,180(2)-3,CL-7,180LAMI(5)-11AR90ST-G1<1	1.01	0.32	36
G17	WCW-CP-CA-3,180(2)-3,180(4)-3,i89(6)-13AR90ST-G2>1	0.91	0.28	36
G18	WCW-CP-CA-3,180(2)-3,CL-3,180(5)-13AR90ST-G2>1	0.98	0.29	35
G19	WCW-CP-CA-4,180(2)-4,180(4)-4,i89(6)-11AR90ST-G2>1	0.95	0.27	35
G20	WCW-CP-CA-4,180(2)-4,CL-4,180(5)-11AR90ST-G2>1	1.02	0.28	34
G21	WCW-CP-CA-5,180(2)-5,180(4)-5,i89(6)-10AR90ST-G2>1	0.99	0.27	34
G22	WCW-CP-CA-5,180(2)-5,CL-5,180(5)-10AR90ST-G2>1	1.08	0.28	32
G23	WCW-CP-CA-3,180(2)-3,180(4)-7,i89LAMI(6)-11AR90ST-G2>1	0.94	0.28	35
G24	WCW-CP-CA-3,180(2)-3,CL-7,180LAMI(5)-11AR90ST-G2>1	1.01	0.29	34

Classic Plus Series Awning Window

Glass / Grille Option #	Model Code	U-Value (W/m ² K)	Product SHGC	Energy Rating
G01	WCW-CP-AW-3,180(2)-3,180(4)-3,i89(6)-13AR90ST	0.93	0.34	39
G02	WCW-CP-AW-3,180(2)-3,CL-3,180(5)-13AR90ST	0.99	0.36	39
G03	WCW-CP-AW-4,180(2)-4,180(4)-4,i89(6)-11AR90ST	0.96	0.33	38
G04	WCW-CP-AW-4,180(2)-4,CL-4,180(5)-11AR90ST	1.03	0.35	38
G05	WCW-CP-AW-5,180(2)-5,180(4)-5,i89(6)-10AR90ST	1.01	0.32	36
G06	WCW-CP-AW-5,180(2)-5,CL-5,180(5)-10AR90ST	1.09	0.34	36
G07	WCW-CP-AW-3,180(2)-3,180(4)-7,i89LAMI(6)-11AR90ST	0.95	0.34	39
G08	WCW-CP-AW-3,180(2)-3,CL-7,180LAMI(5)-11AR90ST	1.02	0.36	38
G09	WCW-CP-AW-3,180(2)-3,180(4)-3,i89(6)-13AR90ST-G1<1	0.93	0.31	38
G10	WCW-CP-AW-3,180(2)-3,CL-3,180(5)-13AR90ST-G1<1	0.99	0.33	37
G11	WCW-CP-AW-4,180(2)-4,180(4)-4,i89(6)-11AR90ST-G1<1	0.96	0.30	36
G12	WCW-CP-AW-4,180(2)-4,CL-4,180(5)-11AR90ST-G1<1	1.03	0.31	35
G13	WCW-CP-AW-5,180(2)-5,180(4)-5,i89(6)-10AR90ST-G1<1	1.01	0.29	35
G14	WCW-CP-AW-5,180(2)-5,CL-5,180(5)-10AR90ST-G1<1	1.09	0.31	34
G15	WCW-CP-AW-3,180(2)-3,180(4)-7,i89LAMI(6)-11AR90ST-G1<1	0.95	0.31	37
G16	WCW-CP-AW-3,180(2)-3,CL-7,180LAMI(5)-11AR90ST-G1<1	1.02	0.32	36
G17	WCW-CP-AW-3,180(2)-3,180(4)-3,i89(6)-13AR90ST-G2>1	0.93	0.28	36
G18	WCW-CP-AW-3,180(2)-3,CL-3,180(5)-13AR90ST-G2>1	0.99	0.29	35
G19	WCW-CP-AW-4,180(2)-4,180(4)-4,i89(6)-11AR90ST-G2>1	0.96	0.27	35
G20	WCW-CP-AW-4,180(2)-4,CL-4,180(5)-11AR90ST-G2>1	1.03	0.28	34
G21	WCW-CP-AW-5,180(2)-5,180(4)-5,i89(6)-10AR90ST-G2>1	1.01	0.27	33
G22	WCW-CP-AW-5,180(2)-5,CL-5,180(5)-10AR90ST-G2>1	1.09	0.28	32
G23	WCW-CP-AW-3,180(2)-3,180(4)-7,i89LAMI(6)-11AR90ST-G2>1	0.95	0.28	35
G24	WCW-CP-AW-3,180(2)-3,CL-7,180LAMI(5)-11AR90ST-G2>1	1.02	0.29	34

Classic Plus Series Fixed Casement Window

Glass / Grille Option #	Model Code	U-Value (W/m ² K)	Product SHGC	Energy Rating
G01	WCW-CP-FC-3,180(2)-3,180(4)-3,i89(6)-13AR90ST	0.83	0.41	46
G02	WCW-CP-FC-3,180(2)-3,CL-3,180(5)-13AR90ST	0.91	0.43	45
G03	WCW-CP-FC-4,180(2)-4,180(4)-4,i89(6)-11AR90ST	0.86	0.39	44
G04	WCW-CP-FC-4,180(2)-4,CL-4,180(5)-11AR90ST	0.95	0.41	43
G05	WCW-CP-FC-5,180(2)-5,180(4)-5,i89(6)-10AR90ST	0.91	0.39	43
G06	WCW-CP-FC-5,180(2)-5,CL-5,180(5)-10AR90ST	1.01	0.40	41
G07	WCW-CP-FC-3,180(2)-3,180(4)-7,i89LAMI(6)-11AR90ST	0.86	0.40	44
G08	WCW-CP-FC-3,180(2)-3,CL-7,180LAMI(5)-11AR90ST	0.94	0.42	44
G09	WCW-CP-FC-3,180(2)-3,180(4)-3,i89(6)-13AR90ST-G1<1	0.83	0.37	43
G10	WCW-CP-FC-3,180(2)-3,CL-3,180(5)-13AR90ST-G1<1	0.91	0.38	42
G11	WCW-CP-FC-4,180(2)-4,180(4)-4,i89(6)-11AR90ST-G1<1	0.86	0.35	41
G12	WCW-CP-FC-4,180(2)-4,CL-4,180(5)-11AR90ST-G1<1	0.95	0.37	41
G13	WCW-CP-FC-5,180(2)-5,180(4)-5,i89(6)-10AR90ST-G1<1	0.91	0.35	40
G14	WCW-CP-FC-5,180(2)-5,CL-5,180(5)-10AR90ST-G1<1	1.01	0.36	39
G15	WCW-CP-FC-3,180(2)-3,180(4)-7,i89LAMI(6)-11AR90ST-G1<1	0.86	0.36	42
G16	WCW-CP-FC-3,180(2)-3,CL-7,180LAMI(5)-11AR90ST-G1<1	0.94	0.38	41
G17	WCW-CP-FC-3,180(2)-3,180(4)-3,i89(6)-13AR90ST-G2>1	0.83	0.33	41
G18	WCW-CP-FC-3,180(2)-3,CL-3,180(5)-13AR90ST-G2>1	0.91	0.34	40
G19	WCW-CP-FC-4,180(2)-4,180(4)-4,i89(6)-11AR90ST-G2>1	0.86	0.32	40
G20	WCW-CP-FC-4,180(2)-4,CL-4,180(5)-11AR90ST-G2>1	0.95	0.33	38
G21	WCW-CP-FC-5,180(2)-5,180(4)-5,i89(6)-10AR90ST-G2>1	0.91	0.31	38
G22	WCW-CP-FC-5,180(2)-5,CL-5,180(5)-10AR90ST-G2>1	1.01	0.32	36
G23	WCW-CP-FC-3,180(2)-3,180(4)-7,i89LAMI(6)-11AR90ST-G2>1	0.86	0.32	40
G24	WCW-CP-FC-3,180(2)-3,CL-7,180LAMI(5)-11AR90ST-G2>1	0.94	0.34	39

Vista 1000 Series Picture Window

Glass / Grille Option #	Model Code	U-Value (W/m ² K)	Product SHGC	Energy Rating
G01	WCW-V1000-PC-3,272(2)-3,CL-14AR90ST	1.50	0.36	28
G02	WCW-V1000-PC-3,366(2)-3,CL-14AR90ST	1.45	0.24	22
G03	WCW-V1000-PC-3,366(2)-3,i89(4)-14AR90ST	1.20	0.24	28
G04	WCW-V1000-PC-4,366(2)-4,CL-13AR90ST	1.44	0.24	22
G05	WCW-V1000-PC-4,272(2)-4,CL-13AR90ST	1.48	0.36	28
G06	WCW-V1000-PC-4,366(2)-4,i89(4)-13AR90ST	1.19	0.24	28
G07	WCW-V1000-PC-5,272(2)-5,CL-11AR90ST	1.48	0.36	28
G08	WCW-V1000-PC-5,366(2)-5,CL-11AR90ST	1.43	0.24	23
G09	WCW-V1000-PC-5,366(2)-5,i89(4)-11AR90ST	1.20	0.24	28
G10	WCW-V1000-PC-3,272(2)-6,CLLM-11AR90ST	1.47	0.36	29
G11	WCW-V1000-PC-3,366(2)-6,CLLM-11AR90ST	1.42	0.24	23
G12	WCW-V1000-PC-3,366(2)-6,i89L(4)-11AR90ST	1.19	0.23	27
G13	WCW-V1000-PC-3,272(2)-3,i89(4)-14AR90ST	1.23	0.36	34
G14	WCW-V1000-PC-4,272(2)-4,i89(4)-13AR90ST	1.22	0.35	33
G15	WCW-V1000-PC-5,272(2)-5,i89(4)-11AR90ST	1.23	0.35	33

Vista 1000 Series Single Sliding Window

Glass / Grille Option #	Model Code	U-Value (W/m ² K)	Product SHGC	Energy Rating
G01	WCW-V1000-SS-3,272(2)-3,CL-14AR90ST	1.65	0.33	N/A
G02	WCW-V1000-SS-3,366(2)-3,CL-14AR90ST	1.61	0.22	N/A
G03	WCW-V1000-SS-3,366(2)-3,i89(4)-14AR90ST	1.39	0.21	N/A
G04	WCW-V1000-SS-4,366(2)-4,CL-13AR90ST	1.60	0.22	N/A
G05	WCW-V1000-SS-4,272(2)-4,CL-13AR90ST	1.64	0.33	N/A
G06	WCW-V1000-SS-4,366(2)-4,i89(4)-13AR90ST	1.38	0.22	N/A
G07	WCW-V1000-SS-3,272(2)-6,CLLM-11AR90ST	1.63	0.33	N/A
G08	WCW-V1000-SS-3,366(2)-6,CLLM-11AR90ST	1.59	0.22	N/A
G09	WCW-V1000-SS-3,366(2)-6,i89L(4)-11AR90ST	1.39	0.21	N/A
G10	WCW-V1000-SS-3,272(2)-3,i89(4)-14AR90ST	1.42	0.32	N/A
G11	WCW-V1000-SS-4,272(2)-4,i89(4)-13AR90ST	1.41	0.32	N/A

Vista 1000 Series Single Hung Window

Glass / Grille Option #	Model Code	U-Value (W/m ² K)	Product SHGC	Energy Rating
G01	WCW-V1000-SH-3,272(2)-3,CL-14AR90ST	1.64	0.33	N/A
G02	WCW-V1000-SH-3,366(2)-3,CL-14AR90ST	1.60	0.22	N/A
G03	WCW-V1000-SH-3,366(2)-3,i89(4)-14AR90ST	1.37	0.21	N/A
G04	WCW-V1000-SH-4,366(2)-4,CL-13AR90ST	1.59	0.22	N/A
G05	WCW-V1000-SH-4,272(2)-4,CL-13AR90ST	1.63	0.33	N/A
G06	WCW-V1000-SH-4,366(2)-4,i89(4)-13AR90ST	1.36	0.22	N/A
G07	WCW-V1000-SH-3,272(2)-6,CLLM-11AR90ST	1.62	0.33	N/A
G08	WCW-V1000-SH-3,366(2)-6,CLLM-11AR90ST	1.58	0.22	N/A
G09	WCW-V1000-SH-3,366(2)-6,i89L(4)-11AR90ST	1.38	0.21	N/A
G10	WCW-V1000-SH-3,272(2)-3,i89(4)-14AR90ST	1.40	0.32	N/A
G11	WCW-V1000-SH-4,272(2)-4,i89(4)-13AR90ST	1.39	0.32	N/A

Classic 3000 Series Picture Window

Glass / Grille Option #	Model Code	U-Value (W/m ² K)	Product SHGC	Energy Rating
G01	WCW-C3000-PC-3,272(2)-3,CL-14AR90ST	1.49	0.33	N/A
G02	WCW-C3000-PC-3,366(2)-3,CL-14AR90ST	1.45	0.22	N/A
G03	WCW-C3000-PC-3,366(2)-3,i89(4)-14AR90ST	1.22	0.22	N/A
G04	WCW-C3000-PC-3,366(2)-3,i89(4)-14AR90ST-G1<1	1.22	0.20	N/A
G05	WCW-C3000-PC-4,366(2)-4,CL-13AR90ST	1.44	0.22	N/A
G06	WCW-C3000-PC-4,272(2)-4,CL-13AR90ST	1.48	0.33	N/A
G07	WCW-C3000-PC-4,366(2)-4,i89(4)-13AR90ST	1.22	0.22	N/A
G08	WCW-C3000-PC-4,366(2)-4,i89(4)-13AR90ST-G1<1	1.22	0.20	N/A
G09	WCW-C3000-PC-5,272(2)-5,CL-11AR90ST	1.48	0.33	N/A
G10	WCW-C3000-PC-5,366(2)-5,CL-11AR90ST	1.44	0.22	N/A
G11	WCW-C3000-PC-5,366(2)-5,i89(4)-11AR90ST	1.23	0.22	N/A
G12	WCW-C3000-PC-3,272(2)-6,CLLM-11AR90ST	1.47	0.33	N/A
G13	WCW-C3000-PC-3,366(2)-6,CLLM-11AR90ST	1.43	0.22	N/A
G14	WCW-C3000-PC-3,366(2)-6,i89L(4)-11AR90ST	1.22	0.21	N/A
G15	WCW-C3000-PC-3,272(2)-3,i89(4)-14AR90ST	1.25	0.33	N/A
G16	WCW-C3000-PC-4,272(2)-4,i89(4)-13AR90ST	1.25	0.32	N/A
G17	WCW-C3000-PC-5,272(2)-5,i89(4)-11AR90ST	1.26	0.32	N/A

Classic 3000 Series Casement Window

Glass / Grille Option #	Model Code	U-Value (W/m ² K)	Product SHGC	Energy Rating
G01	WCW-C3000-CA-3,272(2)-3,CL-14AR90ST	1.48	0.27	N/A
G02	WCW-C3000-CA-3,366(2)-3,CL-14AR90ST	1.45	0.18	N/A
G03	WCW-C3000-CA-3,366(2)-3,i89(4)-14AR90ST	1.27	0.17	N/A
G04	WCW-C3000-CA-3,366(2)-3,i89(4)-14AR90ST-G1<1	1.27	0.16	N/A
G05	WCW-C3000-CA-4,366(2)-4,CL-13AR90ST	1.44	0.18	N/A
G06	WCW-C3000-CA-4,272(2)-4,CL-13AR90ST	1.47	0.26	N/A
G07	WCW-C3000-CA-4,366(2)-4,i89(4)-13AR90ST	1.27	0.17	N/A
G08	WCW-C3000-CA-4,366(2)-4,i89(4)-13AR90ST-G1<1	1.27	0.16	N/A
G09	WCW-C3000-CA-3,272(2)-6,CLLM-11AR90ST	1.47	0.26	N/A
G10	WCW-C3000-CA-3,366(2)-6,CLLM-11AR90ST	1.43	0.18	N/A
G11	WCW-C3000-CA-3,366(2)-6,i89L(4)-11AR90ST	1.26	0.17	N/A
G12	WCW-C3000-CA-3,272(2)-3,i89(4)-14AR90ST	1.29	0.26	N/A
G13	WCW-C3000-CA-4,272(2)-4,i89(4)-13AR90ST	1.29	0.26	N/A

Classic 3000 Series Awning Window

Glass / Grille Option #	Model Code	U-Value (W/m ² K)	Product SHGC	Energy Rating
G01	WCW-C3000-AW-3,272(2)-3,CL-14AR90ST	1.49	0.27	N/A
G02	WCW-C3000-AW-3,366(2)-3,CL-14AR90ST	1.46	0.18	N/A
G03	WCW-C3000-AW-3,366(2)-3,i89(4)-14AR90ST	1.30	0.17	N/A
G04	WCW-C3000-AW-3,366(2)-3,i89(4)-14AR90ST-G1<1	1.30	0.16	N/A
G05	WCW-C3000-AW-4,366(2)-4,CL-13AR90ST	1.46	0.18	N/A
G06	WCW-C3000-AW-4,272(2)-4,CL-13AR90ST	1.49	0.26	N/A
G07	WCW-C3000-AW-4,366(2)-4,i89(4)-13AR90ST	1.30	0.17	N/A
G08	WCW-C3000-AW-4,366(2)-4,i89(4)-13AR90ST-G1<1	1.30	0.16	N/A
G09	WCW-C3000-AW-3,272(2)-6,CLLM-11AR90ST	1.48	0.26	N/A
G10	WCW-C3000-AW-3,366(2)-6,CLLM-11AR90ST	1.45	0.18	N/A
G11	WCW-C3000-AW-3,366(2)-6,i89L(4)-11AR90ST	1.29	0.17	N/A
G12	WCW-C3000-AW-3,272(2)-3,i89(4)-14AR90ST	1.32	0.26	N/A
G13	WCW-C3000-AW-4,272(2)-4,i89(4)-13AR90ST	1.32	0.26	N/A
G14	WCW-C3000-AW-4,366(2)-4,CL-13AR90ST-F1	1.44	0.18	N/A

Classic 3000 Series Balanced Sash (Fixed Casement) Window

Glass / Grille Option #	Model Code	U-Value (W/m ² K)	Product SHGC	Energy Rating
G01	WCW-C3000-FC-3,272(2)-3,CL-14AR90ST	1.47	0.32	N/A
G02	WCW-C3000-FC-3,366(2)-3,CL-14AR90ST	1.43	0.21	N/A
G03	WCW-C3000-FC-3,366(2)-3,i89(4)-14AR90ST	1.21	0.21	N/A
G04	WCW-C3000-FC-3,366(2)-3,i89(4)-14AR90ST-G1<1	1.21	0.19	N/A
G05	WCW-C3000-FC-4,366(2)-4,CL-13AR90ST	1.42	0.21	N/A
G06	WCW-C3000-FC-4,272(2)-4,CL-13AR90ST	1.45	0.31	N/A
G07	WCW-C3000-FC-4,366(2)-4,i89(4)-13AR90ST	1.20	0.21	N/A
G08	WCW-C3000-FC-4,366(2)-4,i89(4)-13AR90ST-G1<1	1.20	0.19	N/A
G09	WCW-C3000-FC-5,272(2)-5,CL-11AR90ST	1.45	0.31	N/A
G10	WCW-C3000-FC-5,366(2)-5,CL-11AR90ST	1.42	0.21	N/A
G11	WCW-C3000-FC-5,366(2)-5,i89(4)-11AR90ST	1.22	0.21	N/A
G12	WCW-C3000-FC-3,272(2)-6,CLLM-11AR90ST	1.44	0.31	N/A
G13	WCW-C3000-FC-3,366(2)-6,CLLM-11AR90ST	1.40	0.21	N/A
G14	WCW-C3000-FC-3,366(2)-6,i89L(4)-11AR90ST	1.20	0.20	N/A
G15	WCW-C3000-FC-3,272(2)-3,i89(4)-14AR90ST	1.24	0.31	N/A
G16	WCW-C3000-FC-4,272(2)-4,i89(4)-13AR90ST	1.23	0.31	N/A
G17	WCW-C3000-FC-5,272(2)-5,i89(4)-11AR90ST	1.24	0.30	N/A

Panorama 4300 Series Picture Window

Glass / Grille Option #	Model Code	U-Value (W/m ² K)	Product SHGC	Energy Rating
G01	WCW-PAN-PC-4,CL-4,180(3)-11AR90SP	1.51	0.56	39
G02	WCW-PAN-PC-4,270(2)-4,CL-11AR90SP	1.45	0.30	25
G03	WCW-PAN-PC-4,366(2)-4,CL-11AR90SP	1.42	0.23	22
G04	WCW-PAN-PC-4,180(2)-4,i89(4)-11AR90SP	1.27	0.51	41
G05	WCW-PAN-PC-4,270(2)-4,i89(4)-11AR90SP	1.22	0.30	30
G06	WCW-PAN-PC-4,366(2)-4,i89(4)-11AR90SP	1.20	0.22	26
G07	WCW-PAN-PC-4,CL-4,CL-4,180(5)-10AR90SP	1.21	0.50	42
G08	WCW-PAN-PC-4,180(2)-4,CL-4,180(5)-10AR90SP	0.98	0.45	44
G09	WCW-PAN-PC-4,270(2)-4,CL-4,CL-10AR90SP	1.19	0.28	30
G10	WCW-PAN-PC-4,270(2)-4,CL-4,180(5)-10AR90SP	0.96	0.27	34
G11	WCW-PAN-PC-4,366(2)-4,CL-4,CL-10AR90SP	1.17	0.21	26
G12	WCW-PAN-PC-4,366(2)-4,CL-4,180(5)-10AR90SP	0.95	0.20	31
G13	WCW-PAN-PC-4,270(2)-4,CL-4,i89(6)-10AR90SP	1.04	0.27	33
G14	WCW-PAN-PC-4,270(2)-4,180(4)-4,i89(6)-10AR90SP	0.86	0.26	36
G15	WCW-PAN-PC-4,366(2)-4,CL-4,i89(6)-10AR90SP	1.02	0.21	30
G16	WCW-PAN-PC-4,366(2)-4,180(4)-4,i89(6)-10AR90SP	0.85	0.20	33

Panorama 4300 Series Casement Window

Glass / Grille Option #	Model Code	U-Value (W/m ² K)	Product SHGC	Energy Rating
G01	WCW-PAN-CA-4,CL-4,180(3)-11AR90SP	1.48	0.49	36
G02	WCW-PAN-CA-4,270(2)-4,CL-11AR90SP	1.43	0.27	24
G03	WCW-PAN-CA-4,366(2)-4,CL-11AR90SP	1.40	0.20	21
G04	WCW-PAN-CA-4,180(2)-4,i89(4)-11AR90SP	1.28	0.44	37
G05	WCW-PAN-CA-4,270(2)-4,i89(4)-11AR90SP	1.25	0.26	29
G06	WCW-PAN-CA-4,366(2)-4,i89(4)-11AR90SP	1.23	0.20	25
G07	WCW-PAN-CA-4,CL-4,CL-4,180(5)-10AR90SP	1.21	0.44	39
G08	WCW-PAN-CA-4,180(2)-4,CL-4,180(5)-10AR90SP	1.01	0.40	41
G09	WCW-PAN-CA-4,270(2)-4,CL-4,CL-10AR90SP	1.20	0.25	28
G10	WCW-PAN-CA-4,270(2)-4,CL-4,180(5)-10AR90SP	1.00	0.24	32
G11	WCW-PAN-CA-4,366(2)-4,CL-4,CL-10AR90SP	1.18	0.19	25
G12	WCW-PAN-CA-4,366(2)-4,CL-4,180(5)-10AR90SP	0.99	0.18	29
G13	WCW-PAN-CA-4,270(2)-4,CL-4,i89(6)-10AR90SP	1.07	0.24	30
G14	WCW-PAN-CA-4,270(2)-4,180(4)-4,i89(6)-10AR90SP	0.92	0.23	33
G15	WCW-PAN-CA-4,366(2)-4,CL-4,i89(6)-10AR90SP	1.06	0.18	27
G16	WCW-PAN-CA-4,366(2)-4,180(4)-4,i89(6)-10AR90SP	0.91	0.17	30

Panorama 4300 Series Awning Window

Glass / Grille Option #	Model Code	U-Value (W/m ² K)	Product SHGC	Energy Rating
G01	WCW-PAN-AW-4,CL-4,180(3)-11AR90SP	1.49	0.49	35
G02	WCW-PAN-AW-4,270(2)-4,CL-11AR90SP	1.43	0.27	24
G03	WCW-PAN-AW-4,366(2)-4,CL-11AR90SP	1.41	0.20	20
G04	WCW-PAN-AW-4,180(2)-4,i89(4)-11AR90SP	1.30	0.44	35
G05	WCW-PAN-AW-4,270(2)-4,i89(4)-11AR90SP	1.26	0.26	28
G06	WCW-PAN-AW-4,366(2)-4,i89(4)-11AR90SP	1.24	0.20	24
G07	WCW-PAN-AW-4,CL-4,CL-4,180(5)-10AR90SP	1.21	0.44	39
G08	WCW-PAN-AW-4,180(2)-4,CL-4,180(5)-10AR90SP	1.01	0.40	41
G09	WCW-PAN-AW-4,270(2)-4,CL-4,CL-10AR90SP	1.20	0.25	28
G10	WCW-PAN-AW-4,270(2)-4,CL-4,180(5)-10AR90SP	0.99	0.24	32
G11	WCW-PAN-AW-4,366(2)-4,CL-4,CL-10AR90SP	1.18	0.19	25
G12	WCW-PAN-AW-4,366(2)-4,CL-4,180(5)-10AR90SP	0.99	0.18	29
G13	WCW-PAN-AW-4,270(2)-4,CL-4,i89(6)-10AR90SP	1.08	0.24	30
G14	WCW-PAN-AW-4,270(2)-4,180(4)-4,i89(6)-10AR90SP	0.92	0.23	33
G15	WCW-PAN-AW-4,366(2)-4,CL-4,i89(6)-10AR90SP	1.07	0.18	27
G16	WCW-PAN-AW-4,366(2)-4,180(4)-4,i89(6)-10AR90SP	0.91	0.17	30

Panorama 4300 Series Fixed Casement Window

Glass / Grille Option #	Model Code	U-Value (W/m ² K)	Product SHGC	Energy Rating
G01	WCW-PAN-FC-4,CL-4,180(3)-11AR90SP	1.48	0.55	39
G02	WCW-PAN-FC-4,270(2)-4,CL-11AR90SP	1.42	0.30	26
G03	WCW-PAN-FC-4,366(2)-4,CL-11AR90SP	1.39	0.23	23
G04	WCW-PAN-FC-4,180(2)-4,i89(4)-11AR90SP	1.25	0.50	42
G05	WCW-PAN-FC-4,270(2)-4,i89(4)-11AR90SP	1.21	0.29	30
G06	WCW-PAN-FC-4,366(2)-4,i89(4)-11AR90SP	1.19	0.22	27
G07	WCW-PAN-FC-4,CL-4,CL-4,180(5)-10AR90SP	1.18	0.49	42
G08	WCW-PAN-FC-4,180(2)-4,CL-4,180(5)-10AR90SP	0.96	0.45	45
G09	WCW-PAN-FC-4,270(2)-4,CL-4,CL-10AR90SP	1.17	0.28	31
G10	WCW-PAN-FC-4,270(2)-4,CL-4,180(5)-10AR90SP	0.94	0.27	35
G11	WCW-PAN-FC-4,366(2)-4,CL-4,CL-10AR90SP	1.15	0.21	27
G12	WCW-PAN-FC-4,366(2)-4,CL-4,180(5)-10AR90SP	0.93	0.20	30
G13	WCW-PAN-FC-4,270(2)-4,CL-4,i89(6)-10AR90SP	1.03	0.27	33
G14	WCW-PAN-FC-4,270(2)-4,180(4)-4,i89(6)-10AR90SP	0.85	0.26	36
G15	WCW-PAN-FC-4,366(2)-4,CL-4,i89(6)-10AR90SP	1.01	0.20	29
G16	WCW-PAN-FC-4,366(2)-4,180(4)-4,i89(6)-10AR90SP	0.84	0.20	33

Vantage 432 Series Picture Window

Glass / Grille Option #	Model Code	U-Value (W/m ² K)	Product SHGC	Energy Rating
G01	WCW-VAN-PC-4,CL-4,180(3)-11AR90SP	1.50	0.59	41
G02	WCW-VAN-PC-4,270(2)-4,CL-11AR90SP	1.43	0.32	27
G03	WCW-VAN-PC-4,366(2)-4,CL-11AR90SP	1.40	0.24	23
G04	WCW-VAN-PC-4,180(2)-4,i89(4)-11AR90SP	1.25	0.53	43
G05	WCW-VAN-PC-4,270(2)-4,i89(4)-11AR90SP	1.20	0.31	32
G06	WCW-VAN-PC-4,366(2)-4,i89(4)-11AR90SP	1.18	0.23	27
G07	WCW-VAN-PC-4,CL-4,CL-4,180(5)-10AR90SP	1.19	0.52	44
G08	WCW-VAN-PC-4,180(2)-4,CL-4,180(5)-10AR90SP	0.95	0.48	47
G09	WCW-VAN-PC-4,270(2)-4,CL-4,CL-10AR90SP	1.18	0.29	31
G10	WCW-VAN-PC-4,270(2)-4,CL-4,180(5)-10AR90SP	0.93	0.29	36
G11	WCW-VAN-PC-4,366(2)-4,CL-4,CL-10AR90SP	1.16	0.22	27
G12	WCW-VAN-PC-4,366(2)-4,CL-4,180(5)-10AR90SP	0.92	0.22	33
G13	WCW-VAN-PC-4,270(2)-4,CL-4,i89(6)-10AR90SP	1.02	0.29	34
G14	WCW-VAN-PC-4,270(2)-4,180(4)-4,i89(6)-10AR90SP	0.84	0.27	38
G15	WCW-VAN-PC-4,366(2)-4,CL-4,i89(6)-10AR90SP	1.00	0.22	31
G16	WCW-VAN-PC-4,366(2)-4,180(4)-4,i89(6)-10AR90SP	0.83	0.21	34

Vantage 432 Series Horizontal Sliding Window

Glass / Grille Option #	Model Code	U-Value (W/m ² K)	Product SHGC	Energy Rating
G01	WCW-VAN-SS-4,CL-4,180(3)-11AR90SP-R	1.67	0.53	34
G02	WCW-VAN-SS-4,270(2)-4,CL-11AR90SP-R	1.62	0.29	21
G03	WCW-VAN-SS-4,366(2)-4,CL-11AR90SP-R	1.59	0.22	17
G04	WCW-VAN-SS-4,180(2)-4,i89(4)-11AR90SP-R	1.47	0.48	35
G05	WCW-VAN-SS-4,270(2)-4,i89(4)-11AR90SP-R	1.43	0.28	24
G06	WCW-VAN-SS-4,366(2)-4,i89(4)-11AR90SP-R	1.41	0.21	21
G07	WCW-VAN-SS-4,CL-4,CL-4,180(5)-10AR90SP-R	1.38	0.47	37
G08	WCW-VAN-SS-4,180(2)-4,CL-4,180(5)-10AR90SP-R	1.17	0.43	39
G09	WCW-VAN-SS-4,270(2)-4,CL-4,CL-10AR90SP-R	1.36	0.27	25
G10	WCW-VAN-SS-4,270(2)-4,CL-4,180(5)-10AR90SP-R	1.15	0.26	29
G11	WCW-VAN-SS-4,366(2)-4,CL-4,CL-10AR90SP-R	1.35	0.20	22
G12	WCW-VAN-SS-4,366(2)-4,CL-4,180(5)-10AR90SP-R	1.14	0.19	26
G13	WCW-VAN-SS-4,270(2)-4,CL-4,i89(6)-10AR90SP-R	1.23	0.26	28
G14	WCW-VAN-SS-4,270(2)-4,180(4)-4,i89(6)-10AR90SP-R	1.07	0.25	31
G15	WCW-VAN-SS-4,366(2)-4,CL-4,i89(6)-10AR90SP-R	1.22	0.20	24
G16	WCW-VAN-SS-4,366(2)-4,180(4)-4,i89(6)-10AR90SP-R	1.06	0.19	27

Vantage 432 Series Horizontal Sliding Window

Glass / Grille Option #	Model Code	U-Value (W/m ² K)	Product SHGC	Energy Rating
G01	WCW-VAN-SH-4,CL-4,180(3)-11AR90SP	1.65	0.53	34
G02	WCW-VAN-SH-4,270(2)-4,CL-11AR90SP	1.60	0.29	21
G03	WCW-VAN-SH-4,366(2)-4,CL-11AR90SP	1.57	0.22	18
G04	WCW-VAN-SH-4,180(2)-4,i89(4)-11AR90SP	1.44	0.48	35
G05	WCW-VAN-SH-4,270(2)-4,i89(4)-11AR90SP	1.40	0.28	25
G06	WCW-VAN-SH-4,366(2)-4,i89(4)-11AR90SP	1.38	0.21	21
G07	WCW-VAN-SH-4,CL-4,CL-4,180(5)-10AR90SP	1.35	0.47	37
G08	WCW-VAN-SH-4,180(2)-4,CL-4,180(5)-10AR90SP	1.13	0.43	39
G09	WCW-VAN-SH-4,270(2)-4,CL-4,CL-10AR90SP	1.33	0.27	26
G10	WCW-VAN-SH-4,270(2)-4,CL-4,180(5)-10AR90SP	1.11	0.26	30
G11	WCW-VAN-SH-4,366(2)-4,CL-4,CL-10AR90SP	1.32	0.20	22
G12	WCW-VAN-SH-4,366(2)-4,CL-4,180(5)-10AR90SP	1.10	0.19	26
G13	WCW-VAN-SH-4,270(2)-4,CL-4,i89(6)-10AR90SP	1.20	0.26	28
G14	WCW-VAN-SH-4,270(2)-4,180(4)-4,i89(6)-10AR90SP	1.03	0.25	31
G15	WCW-VAN-SH-4,366(2)-4,CL-4,i89(6)-10AR90SP	1.19	0.20	25
G16	WCW-VAN-SH-4,366(2)-4,180(4)-4,i89(6)-10AR90SP	1.02	0.19	28

Notes:

- Products 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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