



## WINDOWS & DOORS LISTING PROGRAM

**Customer:** Vinylguard Window and Door Systems Ltd.  
**Class:** Fenestration Products – Energy Performance  
**Location:** Woodbridge, ON  
**Website:** [www.vinylguard.com](http://www.vinylguard.com)

**Listing No.** W559-1  
**Project No.** W559-1 ED5  
**Effective Date:** May 24, 2018  
**Last Revised Date:** February 13, 2026  
**Expires:** N/A

**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, or Trademark
- b) QAI file Number: W559
- c) The wording “Evaluated for energy performance in accordance with CSA A440.2”
- d) The wording “Évalué pour la performance d’énergie en accord à la norme CSA A440.2”
- e) QAI logo with ‘c’ identifier as shown here:



### Models / Ratings:

#### - EnergyGuard Contoured Awning Window

Glass / Grille Option #	Model Code	U-Factor (W/m <sup>2</sup> K)	Product SHGC	Energy Rating
G01	VGW-CAW-3,CL-3,8071(3)-16AR97SP	1.50	0.46	34
G02	VGW-CAW-3,CL-3,366(3)-16AR97SP	1.40	0.26	24
G03	VGW-CAW-3,CL-3,180E(3)-16AR97SP	1.50	0.46	34
G04	VGW-CAW-3,CL-3,272(3)-16AR97SP	1.45	0.33	27
G05	VGW-CAW-3,180E(2)-3,i89(4)-16AR97SP	1.30	0.42	36
G06	VGW-CAW-3,CL-3,8071(3)-16AR97SP-G<1	1.50	0.42	31



Glass / Grille Option #	Model Code	U-Factor (W/m <sup>2</sup> K)	Product SHGC	Energy Rating
G07	VGW-CAW-3,CL-3,366(3)-16AR97SP-G<1	1.40	0.23	22
G08	VGW-CAW-3,CL-3,180E(3)-16AR97SP-G<1	1.50	0.42	31
G09	VGW-CAW-3,CL-3,272(3)-16AR97SP-G<1	1.45	0.30	25
G10	VGW-CAW-3,180E(2)-3,i89(4)-16AR97SP-G<1	1.30	0.38	33
G11	VGW-CAW-3,180(2)-3,CL-3,180(5)-8AR97SP	1.12	0.36	36
G12	VGW-CAW-3,8071(2)-3,CL-3,8071(5)-8AR97SP	1.13	0.38	37
G13	VGW-CAW-3,CL-3,CL-3,180(5)-8AR97SP	1.30	0.40	34
G14	VGW-CAW-3,CL-3,CL-3,8071(5)-8AR97SP	1.31	0.41	35
G15	VGW-CAW-3,366(2)-3,CL-3,366(5)-8AR97SP	1.08	0.16	25
G16	VGW-CAW-3,8071(2)-3,CL-3,i89(5)-8AR97SP	1.18	0.38	36
G17	VGW-CAW-3,180E(2)-3,CL-3,180E(5)-8AR97SP	1.13	0.38	37
G18	VGW-CAW-3,8071(2)-3,CL-3,8071(5)-9AR97SP	1.09	0.38	38
G19	VGW-CAW-3,366(2)-3,CL-3,366(5)-9AR97SP	1.03	0.16	26
G20	VGW-CAW-4,CL-4,8071(3)-14AR97SP	1.50	0.44	32
G21	VGW-CAW-4,180E(2)-4,i89(4)-14AR97SP	1.31	0.41	35
G22	VGW-CAW-4,CL-4,272(3)-14AR97SP	1.44	0.32	27
G23	VGW-CAW-4,CL-4,180E(3)-14AR97SP	1.49	0.44	33
G24	VGW-CAW-4,CL-4,366(3)-14AR97SP	1.41	0.25	23
G25	VGW-CAW-5,CL-5,8071(3)-12AR97SP	1.49	0.43	32
G26	VGW-CAW-5,CL-5,180E(3)-12AR97SP	1.48	0.43	32
G27	VGW-CAW-5,CL-5,366(3)-12AR97SP	1.40	0.25	24
G28	VGW-CAW-3,180E(2)-3,180E(4)-3,i89(6)-6AR97SP	1.16	0.36	35
G29	VGW-CAW-4,8071(2)-4,CL-4,8071(5)-7AR97SP	1.26	0.37	34
G30	VGW-CAW-4,CL-4,CL-4,8071(5)-7AR97SP	1.44	0.39	31
G31	VGW-CAW-4,180E(2)-4,CL-4,180E(5)-7AR97SP	1.26	0.36	33
G32	VGW-CAW-4,366(2)-4,CL-4,366(5)-7AR97SP	1.21	0.16	23
G33	VGW-CAW-4,180E(2)-4,180E(4)-4,i89(6)-7AR97SP	1.15	0.35	35
G34	VGW-CAW-5,8071(2)-5,CL-5,8071(5)-7AR97SP	1.26	0.36	33
G35	VGW-CAW-5,CL-5,CL-5,8071(5)-7AR97SP	1.43	0.37	30
G36	VGW-CAW-5,180E(2)-5,CL-5,180E(5)-7AR97SP	1.26	0.36	33
G37	VGW-CAW-5,366(2)-5,CL-5,366(5)-7AR97SP	1.21	0.16	23
G38	VGW-CAW-5,180E(2)-5,180E(4)-5,i89(6)-7AR97SP	1.15	0.34	34
G39	VGW-CAW-3,180E(2)-3,i89(4)-16AR97SP2-G<1	1.31	0.38	33
G40	VGW-CAW-4,CL-4,8071(3)-14AR97SP-G<1	1.50	0.40	30
G41	VGW-CAW-4,180E(2)-4,i89(4)-14AR97SP-G<1	1.31	0.37	32
G42	VGW-CAW-4,CL-4,272(3)-14AR97SP-G<1	1.44	0.29	25
G43	VGW-CAW-4,CL-4,180E(3)-14AR97SP-G<1	1.49	0.40	30
G44	VGW-CAW-4,CL-4,366(3)-14AR97SP-G<1	1.41	0.23	22
G45	VGW-CAW-5,CL-5,8071(3)-12AR97SP-G<1	1.51	0.39	29
G46	VGW-CAW-5,CL-5,180E(3)-12AR97SP-G<1	1.51	0.39	29
G47	VGW-CAW-5,CL-5,366(3)-12AR97SP-G<1	1.43	0.23	22
G48	VGW-CAW-3,8071(2)-3,CL-3,8071(5)-8AR97SP-G<1	1.18	0.34	34
G49	VGW-CAW-3,CL-3,CL-3,8071(5)-8AR97SP-G<1	1.34	0.36	31
G50	VGW-CAW-3,180E(2)-3,CL-3,180E(5)-8AR97SP-G<1	1.18	0.34	34
G51	VGW-CAW-3,366(2)-3,CL-3,366(5)-8AR97SP-G<1	1.12	0.14	23
G52	VGW-CAW-3,180E(2)-3,180E(4)-3,i89(6)-8AR97SP-G<1	1.08	0.33	35
G53	VGW-CAW-4,8071(2)-4,CL-4,8071(5)-8AR97SP-G<1	1.18	0.33	33
G54	VGW-CAW-4,CL-4,CL-4,8071(5)-8AR97SP-G<1	1.34	0.35	31
G55	VGW-CAW-4,180E(2)-4,CL-4,180E(5)-8AR97SP-G<1	1.18	0.33	33
G56	VGW-CAW-4,366(2)-4,CL-4,366(5)-8AR97SP-G<1	1.12	0.14	23
G57	VGW-CAW-4,180E(2)-4,180E(4)-4,i89(6)-8AR97SP-G<1	1.08	0.32	35

**- EnergyGuard Contoured Casement Window**

Glass / Option # Grille	Model Code	U-Factor (W/m <sup>2</sup> K)	Product SHGC	Energy Rating
G01	VGW-CCA-3,CL-3,8071(3)-16AR97SP	1.50	0.46	34
G02	VGW-CCA-3,CL-3,366(3)-16AR97SP	1.40	0.26	24
G03	VGW-CCA-3,CL-3,180E(3)-16AR97SP	1.50	0.46	34
G04	VGW-CCA-3,CL-3,272(3)-16AR97SP	1.45	0.33	27
G05	VGW-CCA-3,180E(2)-3,i89(4)-16AR97SP	1.25	0.42	37
G06	VGW-CCA-3,CL-3,8071(3)-16AR97SP-G<1	1.50	0.42	31
G07	VGW-CCA-3,CL-3,366(3)-16AR97SP-G<1	1.40	0.23	22
G08	VGW-CCA-3,CL-3,180E(3)-16AR97SP-G<1	1.50	0.42	31
G09	VGW-CCA-3,CL-3,272(3)-16AR97SP-G<1	1.45	0.30	25
G10	VGW-CCA-3,180E(2)-3,i89(4)-16AR97SP-G<1	1.25	0.38	34
G11	VGW-CCA-3,180(2)-3,CL-3,180(5)-8AR97SP	1.12	0.36	36
G12	VGW-CCA-3,8071(2)-3,CL-3,8071(5)-8AR97SP	1.13	0.38	37
G13	VGW-CCA-3,CL-3,CL-3,180(5)-8AR97SP	1.30	0.40	34
G14	VGW-CCA-3,CL-3,CL-3,8071(5)-8AR97SP	1.31	0.41	35
G15	VGW-CCA-3,366(2)-3,CL-3,366(5)-9AR97SP	1.03	0.16	26
G16	VGW-CCA-4,CL-4,8071(3)-14AR97SP	1.48	0.44	33
G17	VGW-CCA-4,180E(2)-4,i89(4)-14AR97SP	1.28	0.41	35
G18	VGW-CCA-4,CL-4,272(3)-14AR97SP	1.43	0.32	27
G19	VGW-CCA-4,CL-4,180E(3)-14AR97SP	1.48	0.44	33
G20	VGW-CCA-4,CL-4,366(3)-14AR97SP	1.40	0.25	24
G21	VGW-CCA-5,CL-5,8071(3)-12AR97SP	1.47	0.43	32
G22	VGW-CCA-5,CL-5,180E(3)-12AR97SP	1.47	0.43	32
G23	VGW-CCA-5,CL-5,366(3)-12AR97SP	1.39	0.25	24
G24	VGW-CCA-3,180E(2)-3,180E(4)-3,i89(6)-6AR97SP	1.14	0.36	36
G25	VGW-CCA-4,8071(2)-4,CL-4,8071(5)-7AR97SP	1.26	0.37	34
G26	VGW-CCA-4,CL-4,CL-4,8071(5)-7AR97SP	1.43	0.39	31
G27	VGW-CCA-4,180E(2)-4,CL-4,180E(5)-7AR97SP	1.25	0.36	33
G28	VGW-CCA-4,366(2)-4,CL-4,366(5)-7AR97SP	1.20	0.16	23
G29	VGW-CCA-4,180E(2)-4,180E(4)-4,i89(6)-7AR97SP	1.13	0.35	35
G30	VGW-CCA-5,8071(2)-5,CL-5,8071(5)-7AR97SP	1.25	0.36	33
G31	VGW-CCA-5,CL-5,CL-5,8071(5)-7AR97SP	1.42	0.37	30
G32	VGW-CCA-5,180E(2)-5,CL-5,180E(5)-7AR97SP	1.25	0.36	33
G33	VGW-CCA-5,366(2)-5,CL-5,366(5)-7AR97SP	1.20	0.16	23
G34	VGW-CCA-5,180E(2)-5,180E(4)-5,i89(6)-7AR97SP	1.18	0.34	34
G35	VGW-CCA-3,CL-3,8071(3)-16AR97SP2-G<1	1.49	0.41	31
G36	VGW-CCA-3,180E(2)-3,i89(4)-16AR97SP2-G<1	1.28	0.38	34
G37	VGW-CCA-4,CL-4,8071(3)-14AR97SP-G<1	1.48	0.40	30
G38	VGW-CCA-4,180E(2)-4,i89(4)-14AR97SP-G<1	1.28	0.37	33
G39	VGW-CCA-4,CL-4,272(3)-14AR97SP-G<1	1.43	0.29	25
G40	VGW-CCA-4,CL-4,180E(3)-14AR97SP-G<1	1.48	0.40	30
G41	VGW-CCA-4,CL-4,366(3)-14AR97SP-G<1	1.40	0.23	22
G42	VGW-CCA-5,CL-5,8071(3)-12AR97SP-G<1	1.51	0.39	29
G43	VGW-CCA-5,CL-5,180E(3)-12AR97SP-G<1	1.51	0.39	29
G44	VGW-CCA-5,CL-5,366(3)-12AR97SP-G<1	1.43	0.23	22
G45	VGW-CCA-3,8071(2)-3,CL-3,8071(5)-8AR97SP-G<1	1.18	0.34	34
G46	VGW-CCA-3,CL-3,CL-3,8071(5)-8AR97SP-G<1	1.34	0.36	31
G47	VGW-CCA-3,180E(2)-3,CL-3,180E(5)-8AR97SP-G<1	1.18	0.34	34
G48	VGW-CCA-3,366(2)-3,CL-3,366(5)-8AR97SP-G<1	1.12	0.14	23
G49	VGW-CCA-3,180E(2)-3,180E(4)-3,i89(6)-8AR97SP-G<1	1.07	0.33	35
G50	VGW-CCA-4,8071(2)-4,CL-4,8071(5)-8AR97SP-G<1	1.18	0.33	33
G51	VGW-CCA-4,CL-4,CL-4,8071(5)-8AR97SP-G<1	1.34	0.35	31
G52	VGW-CCA-4,180E(2)-4,CL-4,180E(5)-8AR97SP-G<1	1.18	0.33	33
G53	VGW-CCA-4,366(2)-4,CL-4,366(5)-8AR97SP-G<1	1.12	0.14	23
G54	VGW-CCA-4,180E(2)-4,180E(4)-4,i89(6)-8AR97SP-G<1	1.07	0.35	37



**- EnergyGuard Contoured Fixed Casement Window**

Glass / Grille Option #	Model Code	U-Factor (W/m <sup>2</sup> K)	Product SHGC	Energy Rating
G01	VGW-CFC-3,CL-3,8071(3)-16AR97SP	1.55	0.55	38
G02	VGW-CFC-3,CL-3,366(3)-16AR97SP	1.40	0.30	27
G03	VGW-CFC-3,CL-3,180E(3)-16AR97SP	1.50	0.55	39
G04	VGW-CFC-3,CL-3,272(3)-16AR97SP	1.45	0.39	31
G05	VGW-CFC-3,180E(2)-3,i89(4)-16AR97SP	1.25	0.50	42
G06	VGW-CFC-3,CL-3,8071(3)-16AR97SP-G<1	1.55	0.49	34
G07	VGW-CFC-3,CL-3,366(3)-16AR97SP-G<1	1.40	0.27	25
G08	VGW-CFC-3,CL-3,180E(3)-16AR97SP-G<1	1.50	0.49	35
G09	VGW-CFC-3,CL-3,272(3)-16AR97SP-G<1	1.45	0.35	28
G10	VGW-CFC-3,180E(2)-3,i89(4)-16AR97SP-G<1	1.25	0.45	39
G11	VGW-CFC-3,180(2)-3,CL-3,180(5)-8AR97SP	1.09	0.43	41
G12	VGW-CFC-3,8071(2)-3,CL-3,8071(5)-8AR97SP	1.11	0.45	42
G13	VGW-CFC-3,CL-3,CL-3,180(5)-8AR97SP	1.30	0.47	39
G14	VGW-CFC-3,CL-3,CL-3,8071(5)-8AR97SP	1.32	0.49	39
G15	VGW-CFC-3,366(2)-3,CL-3,366(5)-9AR97SP	0.99	0.19	29
G16	VGW-CFC-4,CL-4,8071(3)-14AR97SP	1.51	0.52	37
G17	VGW-CFC-4,180E(2)-4,i89(4)-14AR97SP	1.26	0.48	40
G18	VGW-CFC-4,CL-4,272(3)-14AR97SP	1.45	0.38	30
G19	VGW-CFC-4,CL-4,180E(3)-14AR97SP	1.51	0.52	37
G20	VGW-CFC-4,CL-4,366(3)-14AR97SP	1.41	0.30	26
G21	VGW-CFC-5,CL-5,8071(3)-12AR97SP	1.49	0.51	37
G22	VGW-CFC-5,CL-5,180E(3)-12AR97SP	1.49	0.51	37
G23	VGW-CFC-5,CL-5,366(3)-12AR97SP	1.39	0.30	27
G24	VGW-CFC-6,CL-6,8071(3)-10AR97SP	1.55	0.50	35
G25	VGW-CFC-6,180E-6,i89(4)-10AR97SP	1.31	0.46	38
G26	VGW-CFC-6,CL-6,366(3)-10AR97SP	1.45	0.29	25
G27	VGW-CFC-3,180E(2)-3,180E(4)-3,i89(6)-6AR97SP	1.10	0.43	41
G28	VGW-CFC-4,8071(2)-4,CL-4,8071(5)-7AR97SP	1.24	0.44	38
G29	VGW-CFC-4,CL-4,CL-4,8071(5)-7AR97SP	1.44	0.46	35
G30	VGW-CFC-4,180E(2)-4,CL-4,180E(5)-7AR97SP	1.24	0.43	38
G31	VGW-CFC-4,366(2)-4,CL-4,366(5)-7AR97SP	1.18	0.19	25
G32	VGW-CFC-4,180E(2)-4,180E(4)-4,i89(6)-7AR97SP	1.09	0.41	40
G33	VGW-CFC-5,8071(2)-5,CL-5,8071(5)-7AR97SP	1.23	0.43	38
G34	VGW-CFC-5,CL-5,CL-5,8071(5)-7AR97SP	1.44	0.44	34
G35	VGW-CFC-5,180E(2)-5,CL-5,180E(5)-7AR97SP	1.23	0.42	37
G36	VGW-CFC-5,366(2)-5,CL-5,366(5)-7AR97SP	1.17	0.19	25
G37	VGW-CFC-5,180E(2)-5,180E(4)-5,i89(6)-7AR97SP	1.09	0.40	39
G38	VGW-CFC-3,CL-3,8071(3)-16AR97SP2-G<1	1.53	0.48	34
G39	VGW-CFC-3,CL-3,180E(3)-16AR97SP2-G<1	1.52	0.48	34
G40	VGW-CFC-4,CL-4,8071(3)-14AR97SP-G<1	1.51	0.47	34
G41	VGW-CFC-4,180E(2)-4,i89(4)-14AR97SP-G<1	1.26	0.43	37
G42	VGW-CFC-4,CL-4,272(3)-14AR97SP-G<1	1.45	0.34	28
G43	VGW-CFC-4,CL-4,180E(3)-14AR97SP-G<1	1.51	0.47	34
G44	VGW-CFC-4,CL-4,366(3)-14AR97SP-G<1	1.41	0.27	25
G45	VGW-CFC-5,CL-5,8071(3)-12AR97SP-G<1	1.55	0.46	33
G46	VGW-CFC-5,CL-5,180E(3)-12AR97SP-G<1	1.55	0.46	33
G47	VGW-CFC-5,CL-5,366(3)-12AR97SP-G<1	1.45	0.27	24
G48	VGW-CFC-6,CL-6,8071(3)-10AR97SP-G<1	1.65	0.45	30
G49	VGW-CFC-6,180E-6,i89(4)-10AR97SP-G<1	1.38	0.41	33
G50	VGW-CFC-6,CL-6,366(3)-10AR97SP-G<1	1.55	0.26	21
G51	VGW-CFC-3,8071(2)-3,CL-3,8071(5)-8AR97SP-G<1	1.17	0.40	37
G52	VGW-CFC-3,CL-3,CL-3,8071(5)-8AR97SP-G<1	1.35	0.43	35
G53	VGW-CFC-3,180E(2)-3,CL-3,180E(5)-8AR97SP-G<1	1.16	0.40	38
G54	VGW-CFC-3,366(2)-3,CL-3,366(5)-8AR97SP-G<1	1.09	0.17	26
G55	VGW-CFC-3,180E(2)-3,180E(4)-3,i89(6)-8AR97SP-G<1	1.04	0.38	39



Glass / Grille Option #	Model Code	U-Factor (W/m <sup>2</sup> K)	Product SHGC	Energy Rating
G56	VGW-CFC-4,8071(2)-4,CL-4,8071(5)-8AR97SP-G<1	1.16	0.39	37
G57	VGW-CFC-4,CL-4,CL-4,8071(5)-8AR97SP-G<1	1.34	0.41	34
G58	VGW-CFC-4,180E(2)-4,CL-4,180E(5)-8AR97SP-G<1	1.16	0.39	37
G59	VGW-CFC-4,366(2)-4,CL-4,366(5)-8AR97SP-G<1	1.10	0.17	26
G60	VGW-CFC-4,180E(2)-4,180E(4)-4,i89(6)-8AR97SP-G<1	1.04	0.37	39

**- EnergyGuard Contoured Picture Window**

Glass / Grille Option #	Model Code	U-Factor (W/m <sup>2</sup> K)	Product SHGC	Energy Rating
G01	VGW-CPC-3,CL-3,8071(3)-16AR97SP	1.55	0.62	42
G02	VGW-CPC-3,CL-3,366(3)-16AR97SP	1.45	0.34	28
G03	VGW-CPC-3,CL-3,180E(3)-16AR97SP	1.55	0.61	41
G04	VGW-CPC-3,CL-3,272(3)-16AR97SP	1.50	0.44	33
G05	VGW-CPC-3,180E(2)-3,i89(4)-16AR97SP	1.25	0.56	45
G06	VGW-CPC-3,CL-3,8071(3)-16AR97SP-G<1	1.55	0.56	38
G07	VGW-CPC-3,CL-3,366(3)-16AR97SP-G<1	1.45	0.31	26
G08	VGW-CPC-3,CL-3,180E(3)-16AR97SP-G<1	1.55	0.55	38
G09	VGW-CPC-3,CL-3,272(3)-16AR97SP-G<1	1.50	0.40	30
G10	VGW-CPC-3,180E(2)-3,i89(4)-16AR97SP-G<1	1.25	0.51	42
G11	VGW-CPC-3,180(2)-3,CL-3,180(5)-8AR97SP	1.07	0.49	45
G12	VGW-CPC-3,8071(2)-3,CL-3,8071(5)-8AR97SP	1.08	0.51	46
G13	VGW-CPC-3,CL-3,CL-3,180(5)-8AR97SP	1.31	0.53	42
G14	VGW-CPC-3,CL-3,CL-3,8071(5)-8AR97SP	1.32	0.55	43
G15	VGW-CPC-3,366(2)-3,CL-3,366(5)-9AR97SP	0.95	0.21	31

**- EnergyGuard Beveled Picture Window**

Glass / Grille Option #	Model Code	U-Factor (W/m <sup>2</sup> K)	Product SHGC	Energy Rating
G01	VGW-PC-4,CL-4,8071(3)-14AR97SP	1.54	0.59	40
G02	VGW-PC-4,180E(2)-4,i89(4)-14AR97SP	1.26	0.55	44
G03	VGW-PC-4,CL-4,272(3)-14AR97SP	1.46	0.38	30
G04	VGW-PC-4,CL-4,180E(3)-14AR97SP	1.53	0.53	37
G05	VGW-PC-4,CL-4,366(3)-14AR97SP	1.42	0.30	26
G06	VGW-PC-5,CL-5,8071(3)-12AR97SP	1.52	0.52	37
G07	VGW-PC-5,CL-5,180E(3)-12AR97SP	1.51	0.52	37
G08	VGW-PC-5,CL-5,366(3)-12AR97SP	1.40	0.30	27
G09	VGW-PC-6,CL-6,8071(3)-10AR97SP	1.58	0.50	34
G10	VGW-PC-6,180E-6,i89(4)-10AR97SP	1.31	0.47	38
G11	VGW-PC-6,CL-6,366(3)-10AR97SP	1.46	0.30	25
G12	VGW-PC-3,180E(2)-3,180E(4)-3,i89(6)-6AR97SP	1.08	0.43	41
G13	VGW-PC-4,8071(2)-4,CL-4,8071(5)-7AR97SP	1.23	0.44	38
G14	VGW-PC-4,CL-4,CL-4,8071(5)-7AR97SP	1.46	0.47	35
G15	VGW-PC-4,180E(2)-4,CL-4,180E(5)-7AR97SP	1.23	0.44	38
G16	VGW-PC-4,366(2)-4,CL-4,366(5)-7AR97SP	1.16	0.19	26



Glass / Grille Option #	Model Code	U-Factor (W/m <sup>2</sup> K)	Product SHGC	Energy Rating
G17	VGW-PC-4,180E(2)-4,180E(4)-4,i89(6)-7AR97SP	1.07	0.42	41
G18	VGW-PC-5,8071(2)-5,CL-5,8071(5)-7AR97SP	1.23	0.43	38
G19	VGW-PC-5,CL-5,CL-5,8071(5)-7AR97SP	1.46	0.45	34
G20	VGW-PC-5,180E(2)-5,CL-5,180E(5)-7AR97SP	1.23	0.43	38
G21	VGW-PC-5,366(2)-5,CL-5,366(5)-7AR97SP	1.16	0.19	26
G22	VGW-PC-5,180E(2)-5,180E(4)-5,i89(6)-7AR97SP	1.06	0.41	40
G25	VGW-PC-4,CL-4,8071(3)-14AR97SP-G<1	1.54	0.53	37
G26	VGW-PC-4,180E(2)-4,i89(4)-14AR97SP-G<1	1.26	0.49	41
G27	VGW-PC-4,CL-4,272(3)-14AR97SP-G<1	1.46	0.38	30
G28	VGW-PC-4,CL-4,180E(3)-14AR97SP-G<1	1.53	0.53	37
G29	VGW-PC-4,CL-4,366(3)-14AR97SP-G<1	1.42	0.30	26
G30	VGW-PC-5,CL-5,8071(3)-12AR97SP-G<1	1.58	0.52	35
G31	VGW-PC-5,CL-5,180E(3)-12AR97SP-G<1	1.58	0.52	35
G32	VGW-PC-5,CL-5,366(3)-12AR97SP-G<1	1.47	0.30	25
G33	VGW-PC-6,CL-6,8071(3)-10AR97SP-G<1	1.69	0.50	32
G34	VGW-PC-6,180E-6,i89(4)-10AR97SP-G<1	1.39	0.47	37
G35	VGW-PC-6,CL-6,366(3)-10AR97SP-G<1	1.57	0.30	23
G41	VGW-PC-4,8071(2)-4,CL-4,8071(5)-8AR97SP-G<1	1.15	0.44	40
G42	VGW-PC-4,CL-4,CL-4,8071(5)-8AR97SP-G<1	1.35	0.46	37
G43	VGW-PC-4,180E(2)-4,CL-4,180E(5)-8AR97SP-G<1	1.14	0.44	40
G44	VGW-PC-4,366(2)-4,CL-4,366(5)-8AR97SP-G<1	1.07	0.19	28
G45	VGW-PC-4,180E(2)-4,180E(4)-4,i89(6)-8AR97SP-G<1	1.00	0.42	42
G46	VGW-PC-3,CL-3,8071(3)-16AR97SP	1.56	0.60	40
G47	VGW-PC-3,180E(2)-3,i89(4)-16AR97SP	1.28	0.56	44
G48	VGW-PC-3,CL-3,272(3)-16AR97SP	1.49	0.43	32
G49	VGW-PC-3,CL-3,180E(3)-16AR97SP	1.56	0.61	41
G50	VGW-PC-3,CL-3,366(3)-16AR97SP	1.45	0.34	28
G51	VGW-PC-5,180E(2)-5,i89(4)-12AR97SP	1.26	0.54	44
G52	VGW-PC-3,8071(2)-3,CL-3,8071(5)-7AR97SP	1.25	0.50	42
G53	VGW-PC-3,CL-3,CL-3,8071(5)-7AR97SP	1.48	0.54	39
G54	VGW-PC-3,180E(2)-3,CL-3,180E(5)-7AR97SP	1.25	0.50	42
G55	VGW-PC-3,366(2)-3,CL-3,366(5)-7AR97SP	1.18	0.21	26
G56	VGW-PC-3,180E(2)-3,180E(4)-3,i89(6)-7AR97SP	1.09	0.48	44
G57	VGW-PC-3,CL-3,8071(3)-16AR97SP-G<1	1.56	0.54	37
G58	VGW-PC-3,180E(2)-3,i89(4)-16AR97SP-G<1	1.28	0.51	41
G59	VGW-PC-3,CL-3,272(3)-16AR97SP-G<1	1.49	0.39	30
G60	VGW-PC-3,CL-3,180E(3)-16AR97SP-G<1	1.56	0.55	38
G61	VGW-PC-3,CL-3,366(3)-16AR97SP-G<1	1.45	0.31	26
G62	VGW-PC-5,180E(2)-5,i89(4)-12AR97SP-G<1	1.32	0.48	39
G63	VGW-PC-3,8071(2)-3,CL-3,8071(5)-8AR97SP-G<1	1.15	0.45	41
G64	VGW-PC-3,CL-3,CL-3,8071(5)-8AR97SP-G<1	1.36	0.48	38
G65	VGW-PC-3,180E(2)-3,CL-3,180E(5)-8AR97SP-G<1	1.15	0.46	41
G66	VGW-PC-3,366(2)-3,CL-3,366(5)-8AR97SP-G<1	1.07	0.19	28
G67	VGW-PC-3,180E(2)-3,180E(4)-3,i89(6)-8AR97SP-G<1	1.01	0.44	43



**- EnergyGuard Double Hung Tilt Window**

Glass / Grille Option #	Model Code	U-Factor (W/m <sup>2</sup> K)	Product SHGC	Energy Rating
G01	VGW-DHT-3,CL-3,8071(3)-16AR97SP	1.64	0.53	33
G02	VGW-DHT-3,180E(2)-3,i89(4)-16AR97SP	1.39	0.49	36
G03	VGW-DHT-3,CL-3,272(3)-16AR97SP	1.58	0.38	25
G04	VGW-DHT-3,CL-3,180E(3)-16AR97SP	1.64	0.53	33
G05	VGW-DHT-3,CL-3,366(3)-16AR97SP	1.54	0.30	21
G06	VGW-DHT-4,CL-4,8071(3)-14AR97SP	1.63	0.52	32
G07	VGW-DHT-4,180E(2)-4,i89(4)-14AR97SP	1.39	0.48	35
G08	VGW-DHT-4,CL-4,272(3)-14AR97SP	1.57	0.37	25
G09	VGW-DHT-4,CL-4,180E(3)-14AR97SP	1.63	0.52	32
G10	VGW-DHT-4,CL-4,366(3)-14AR97SP	1.53	0.30	22
G11	VGW-DHT-3,8071(2)-3,CL-3,8071(5)-6AR97SP	1.37	0.44	33
G12	VGW-DHT-3,CL-3,CL-3,8071(5)-6AR97SP	1.58	0.47	30
G13	VGW-DHT-3,180E(2)-3,CL-3,180E(5)-6AR97SP	1.37	0.44	33
G14	VGW-DHT-3,366(2)-3,CL-3,366(5)-6AR97SP	1.31	0.18	20
G15	VGW-DHT-3,180E(2)-3,180E(4)-3,i89(6)-6AR97SP	1.23	0.42	35
G16	VGW-DHT-3,CL-3,8071(3)-16AR97SP-G<1	1.64	0.48	30
G17	VGW-DHT-3,180E(2)-3,i89(4)-16AR97SP-G<1	1.39	0.44	33
G18	VGW-DHT-4,CL-4,8071(3)-14AR97SP-G<1	1.63	0.46	29
G19	VGW-DHT-4,180E(2)-4,i89(4)-14AR97SP-G<1	1.39	0.43	32
G20	VGW-DHT-4,CL-4,272(3)-14AR97SP-G<1	1.57	0.34	23
G21	VGW-DHT-4,CL-4,180E(3)-14AR97SP-G<1	1.63	0.47	29
G22	VGW-DHT-4,CL-4,366(3)-14AR97SP-G<1	1.53	0.27	20

**- EnergyGuard Double Slider Tilt Window**

Glass / Grille Option #	Model Code	U-Factor (W/m <sup>2</sup> K)	Product SHGC	Energy Rating
G01	VGW-DST-3,CL-3,8071(3)-16AR97SP	1.65	0.54	34
G02	VGW-DST-3,CL-3,366(3)-16AR97SP	1.55	0.30	22
G03	VGW-DST-3,CL-3,180E(3)-16AR97SP	1.65	0.54	34
G04	VGW-DST-3,CL-3,272(3)-16AR97SP	1.60	0.39	27
G05	VGW-DST-3,180E(2)-3,i89(4)-16AR97SP	1.40	0.49	37
G06	VGW-DST-3,CL-3,8071(3)-16AR97SP-G<1	1.65	0.49	31
G07	VGW-DST-3,CL-3,366(3)-16AR97SP-G<1	1.55	0.27	21
G08	VGW-DST-3,CL-3,180E(3)-16AR97SP-G<1	1.65	0.49	31
G09	VGW-DST-3,CL-3,272(3)-16AR97SP-G<1	1.60	0.35	24
G10	VGW-DST-3,180E(2)-3,i89(4)-16AR97SP-G<1	1.40	0.44	34
G11	VGW-DST-4,CL-4,8071(3)-14AR97SP	1.55	0.52	35
G12	VGW-DST-4,180E(2)-4,i89(4)-14AR97SP	1.39	0.48	36
G13	VGW-DST-4,CL-4,272(3)-14AR97SP	1.57	0.37	26
G14	VGW-DST-4,CL-4,180E(3)-14AR97SP	1.63	0.52	33
G15	VGW-DST-4,CL-4,366(3)-14AR97SP	1.53	0.30	23
G16	VGW-DST-3,8071(2)-3,CL-3,8071(5)-6AR97SP	1.37	0.44	34
G17	VGW-DST-3,CL-3,CL-3,8071(5)-6AR97SP	1.58	0.47	32
G18	VGW-DST-3,180E(2)-3,CL-3,180E(5)-6AR97SP	1.37	0.44	34
G19	VGW-DST-3,366(2)-3,CL-3,366(5)-6AR97SP	1.31	0.18	21
G20	VGW-DST-3,180E(2)-3,180E(4)-3,i89(6)-6AR97SP	1.23	0.42	36
G21	VGW-DST-3,CL-3,8071(3)-16AR97SP2-G<1	1.65	0.48	31
G22	VGW-DST-3,180E(2)-3,i89(4)-16AR97SP2-G<1	1.40	0.44	34
G23	VGW-DST-4,CL-4,8071(3)-14AR97SP-G<1	1.55	0.46	32



Glass / Grille Option #	Model Code	U-Factor (W/m <sup>2</sup> K)	Product SHGC	Energy Rating
G24	VGW-DST-4,180E(2)-4,i89(4)-14AR97SP-G<1	1.39	0.43	33
G25	VGW-DST-4,CL-4,272(3)-14AR97SP-G<1	1.57	0.34	24
G26	VGW-DST-4,CL-4,180E(3)-14AR97SP-G<1	1.63	0.47	30
G27	VGW-DST-4,CL-4,366(3)-14AR97SP-G<1	1.53	0.27	21

**- EnergyGuard Single Hung Tilt Window**

Glass / Grille Option #	Model Code	U-Factor (W/m <sup>2</sup> K)	Product SHGC	Energy Rating
G01	VGW-SHT-3,CL-3,8071(3)-16AR97SP	1.65	0.56	35
G02	VGW-SHT-3,CL-3,366(3)-16AR97SP	1.55	0.31	23
G03	VGW-SHT-3,CL-3,180E(3)-16AR97SP	1.65	0.56	35
G04	VGW-SHT-3,CL-3,272(3)-16AR97SP	1.60	0.40	27
G05	VGW-SHT-3,180E(2)-3,i89(4)-16AR97SP	1.40	0.51	37
G06	VGW-SHT-3,CL-3,8071(3)-16AR97SP-G<1	1.65	0.50	31
G07	VGW-SHT-3,CL-3,366(3)-16AR97SP-G<1	1.55	0.28	21
G08	VGW-SHT-3,CL-3,180E(3)-16AR97SP-G<1	1.65	0.50	31
G09	VGW-SHT-3,CL-3,272(3)-16AR97SP-G<1	1.60	0.36	24
G10	VGW-SHT-3,180E(2)-3,i89(4)-16AR97SP-G<1	1.40	0.46	35
G11	VGW-SHT-4,CL-4,8071(3)-14AR97SP	1.65	0.53	33
G12	VGW-SHT-4,180E(2)-4,i89(4)-14AR97SP	1.39	0.49	36
G13	VGW-SHT-4,CL-4,272(3)-14AR97SP	1.58	0.39	27
G14	VGW-SHT-4,CL-4,180E(3)-14AR97SP	1.64	0.53	33
G15	VGW-SHT-4,CL-4,366(3)-14AR97SP	1.54	0.31	23
G16	VGW-SHT-3,8071(2)-3,CL-3,8071(5)-6AR97SP	1.38	0.46	35
G17	VGW-SHT-3,CL-3,CL-3,8071(5)-6AR97SP	1.59	0.48	32
G18	VGW-SHT-3,180E(2)-3,CL-3,180E(5)-6AR97SP	1.38	0.46	35
G19	VGW-SHT-3,366(2)-3,CL-3,366(5)-6AR97SP	1.31	0.19	21
G20	VGW-SHT-3,180E(2)-3,180E(4)-3,i89(6)-6AR97SP	1.23	0.44	37
G21	VGW-SHT-4,CL-4,8071(3)-14AR97SP-G<1	1.65	0.48	30
G22	VGW-SHT-4,180E(2)-4,i89(4)-14AR97SP-G<1	1.39	0.44	34
G23	VGW-SHT-4,CL-4,272(3)-14AR97SP-G<1	1.58	0.35	24
G24	VGW-SHT-4,CL-4,180E(3)-14AR97SP-G<1	1.64	0.48	30
G25	VGW-SHT-4,CL-4,366(3)-14AR97SP-G<1	1.54	0.28	21
G26	VGW-SHT-3,8071(2)-3,CL-3,8071(5)-8AR97SP-G<1	1.29	0.41	34
G27	VGW-SHT-3,CL-3,CL-3,8071(5)-8AR97SP-G<1	1.48	0.44	32
G28	VGW-SHT-3,180E(2)-3,CL-3,180E(5)-8AR97SP-G<1	1.29	0.41	34
G29	VGW-SHT-3,366(2)-3,CL-3,366(5)-8AR97SP-G<1	1.22	0.17	22
G30	VGW-SHT-3,180E(2)-3,180E(4)-3,i89(6)-8AR97SP-G<1	1.16	0.39	36

**- EnergyGuard Single Slider Tilt Window**

Glass / Grille Option #	Model Code	U-Factor (W/m <sup>2</sup> K)	Product SHGC	Energy Rating
G01	VGW-SST-3,CL-3,8071(3)-16AR97SP	1.65	0.56	35
G02	VGW-SST-3,CL-3,366(3)-16AR97SP	1.55	0.31	23



Glass / Grille Option #	Model Code	U-Factor (W/m <sup>2</sup> K)	Product SHGC	Energy Rating
G03	VGW-SST-3,CL-3,180E(3)-16AR97SP	1.65	0.56	35
G04	VGW-SST-3,CL-3,272(3)-16AR97SP	1.60	0.40	27
G05	VGW-SST-3,180E(2)-3,i89(4)-16AR97SP	1.40	0.51	38
G06	VGW-SST-3,CL-3,8071(3)-16AR97SP-G<1	1.65	0.50	32
G07	VGW-SST-3,CL-3,366(3)-16AR97SP-G<1	1.55	0.28	21
G08	VGW-SST-3,CL-3,180E(3)-16AR97SP-G<1	1.65	0.50	32
G09	VGW-SST-3,CL-3,272(3)-16AR97SP-G<1	1.60	0.36	25
G10	VGW-SST-3,180E(2)-3,i89(4)-16AR97SP-G<1	1.40	0.46	35
G11	VGW-SST-4,CL-4,8071(3)-14AR97SP	1.65	0.53	33
G12	VGW-SST-4,180E(2)-4,i89(4)-14AR97SP	1.40	0.49	37
G13	VGW-SST-4,CL-4,272(3)-14AR97SP	1.58	0.39	27
G14	VGW-SST-4,CL-4,180E(3)-14AR97SP	1.65	0.53	33
G15	VGW-SST-4,CL-4,366(3)-14AR97SP	1.54	0.31	23
G16	VGW-SST-3,8071(2)-3,CL-3,8071(5)-6AR97SP	1.38	0.46	35
G17	VGW-SST-3,CL-3,CL-3,8071(5)-6AR97SP	1.59	0.49	32
G18	VGW-SST-3,180E(2)-3,CL-3,180E(5)-6AR97SP	1.38	0.46	35
G19	VGW-SST-3,366(2)-3,CL-3,366(5)-6AR97SP	1.31	0.19	21
G20	VGW-SST-3,180E(2)-3,180E(4)-3,i89(6)-6AR97SP	1.23	0.44	37
G21	VGW-SST-4,CL-4,8071(3)-14AR97SP-G<1	1.65	0.48	31
G22	VGW-SST-4,180E(2)-4,i89(4)-14AR97SP-G<1	1.40	0.44	34
G23	VGW-SST-4,CL-4,272(3)-14AR97SP-G<1	1.58	0.35	25
G24	VGW-SST-4,CL-4,180E(3)-14AR97SP-G<1	1.65	0.48	31
G25	VGW-SST-4,CL-4,366(3)-14AR97SP-G<1	1.54	0.28	21

**- EnergyGuard Single Slider Lift Window**

Glass / Grille Option #	Model Code	U-Factor (W/m <sup>2</sup> K)	Product SHGC	Energy Rating
G01	VGW-SSL-3,CL-3,8071(3)-16AR97SP	1.65	0.58	36
G02	VGW-SSL-3,CL-3,366(3)-16AR97SP	1.55	0.32	24
G03	VGW-SSL-3,CL-3,180E(3)-16AR97SP	1.65	0.58	36
G04	VGW-SSL-3,CL-3,272(3)-16AR97SP	1.60	0.41	28
G05	VGW-SSL-3,180E(2)-3,i89(4)-16AR97SP	1.40	0.53	39
G06	VGW-SSL-3,CL-3,8071(3)-16AR97SP-G<1	1.65	0.52	33
G07	VGW-SSL-3,CL-3,366(3)-16AR97SP-G<1	1.55	0.29	22
G08	VGW-SSL-3,CL-3,180E(3)-16AR97SP-G<1	1.65	0.52	33
G09	VGW-SSL-3,CL-3,272(3)-16AR97SP-G<1	1.60	0.37	25
G10	VGW-SSL-3,180E(2)-3,i89(4)-16AR97SP-G<1	1.40	0.48	36
G11	VGW-SSL-4,CL-4,8071(3)-14AR97SP	1.29	0.55	43
G12	VGW-SSL-4,CL-4,272(3)-14AR97SP	1.32	0.51	40
G13	VGW-SSL-4,180E(2)-4,i89(4)-14AR97SP	1.17	0.40	36
G14	VGW-SSL-4,CL-4,180E(3)-14AR97SP	1.37	0.55	41
G15	VGW-SSL-4,CL-4,366(3)-14AR97SP	1.29	0.32	29
G16	VGW-SSL-3,8071(2)-3,CL-3,8071(5)-6AR97SP	1.08	0.47	43
G17	VGW-SSL-3,CL-3,CL-3,8071(5)-6AR97SP	1.32	0.50	39
G18	VGW-SSL-3,180E(2)-3,CL-3,180E(5)-6AR97SP	1.16	0.47	41
G19	VGW-SSL-3,366(2)-3,CL-3,366(5)-6AR97SP	1.11	0.20	26
G20	VGW-SSL-3,180E(2)-3,180E(4)-3,i89(6)-6AR97SP	1.03	0.45	42
G21	VGW-SSL-4,CL-4,8071(3)-14AR97SP-G<1	1.29	0.50	40
G22	VGW-SSL-4,CL-4,272(3)-14AR97SP-G<1	1.32	0.46	37
G23	VGW-SSL-4,180E(2)-4,i89(4)-14AR97SP-G<1	1.17	0.36	34



Glass / Grille Option #	Model Code	U-Factor (W/m <sup>2</sup> K)	Product SHGC	Energy Rating
G24	VGW-SSL-4,CL-4,180E(3)-14AR97SP-G<1	1.37	0.50	38
G25	VGW-SSL-4,CL-4,366(3)-14AR97SP-G<1	1.29	0.29	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.
- 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](http://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](mailto:info@qai.org). Please include the listing number in the request.