

## FENESTRATION LISTING PROGRAM

Customer: Performance Windows and Doors Inc.  
 Class: Windows – Energy Performance  
 Location: Toronto, ON  
 Website: [www.performancewindows.com](http://www.performancewindows.com)  
 Listing No. W554  
 Report No. W554-1 ED4  
 Effective Date: December 21, 2017  
 Last Revised Date: July 22, 2021  
 Expires: N/A  
 Standards: CSA A440.2 Fenestration Energy Performance  
 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 file Number: W554
- 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: Models are listed under two brands: Performance Windows & Doors and Vinyl Window Designs.

### Performance Windows & Doors Models:

#### 100 Series Casement Window

Code (Glass Option Model)	Window U-Value (W/m <sup>2</sup> K)	Energy Rating (ER)
PWD-100-CA-3,SB60(2)-3,CL-16AR95IU	1.51	22
PWD-100-CA-3,SB60(2)-3,CL-16AR95IU-G1<1	1.51	21
PWD-100-CA-3,CL-3,PTLX(3)-16AR95IU	1.57	35
PWD-100-CA-3,CL-3,PTLX(3)-16AR95IU-G1<1	1.57	32
PWD-100-CA-3,SB60(2)-3,CL-3,CL-13AR95IU-13AIRIU	1.24	27
PWD-100-CA-3,SB60(2)-3,CL-3,CL-13AR95IU-13AIRIU-G1<1	1.24	26
PWD-100-CA-3,SB60(2)-3,SB60(4)-3,CL-13AR95IU	0.99	30
PWD-100-CA-3,SB60(2)-3,SB60-3,CL-13AR95IU-G1<1	0.99	30
PWD-100-CA-3,CL-3,CL-3,PTLX(5)-13AR95IU-13AIRIU	1.26	39



Model Code (Glass Option)	Window U-Value (W/m <sup>2</sup> K)	Energy Rating (ER)
PWD-100-CA-3,CL-3,CL-3,PTLX(5)-13AR95IU-13AIRIU-G1<1	1.26	36
PWD-100-CA-3,CL-3,PTLX(3)-3,PTLX(5)-13AR95IU	1.04	42
PWD-100-CA-3,CL-3,PTLX(3)-3,PTLX(5)-13AR95IU-G1<1	1.04	40
PWD-100-CA-4,CL-3,PTLX(3)-15AR95IU	1.57	32
PWD-100-CA-4,CL-3,PTLX(3)-15AR95IU-G1<1	1.57	30
PWD-100-CA-4,CL-4,PTLX(3)-14AR95IU	1.57	32
PWD-100-CA-4,CL-4,PTLX(3)-14AR95IU-G1<1	1.57	30
PWD-100-CA-6,CL-3,PTLX(3)-20AR95S1	1.56	31
PWD-100-CA-6,CL-3,PTLX(3)-20AR95S1-G1<1	1.56	29
PWD-100-CA-6,CL-4,PTLX(3)-25AR95S1	1.57	31
PWD-100-CA-6,CL-4,PTLX(3)-25AR95S1-G1<1	1.57	29
PWD-100-CA-6,CL-3,PTLX(3)-26AR95S1	1.57	31
PWD-100-CA-6,CL-3,PTLX(3)-26AR95S1-G1<1	1.57	29
PWD-100-CA-8,CLLM-4,PTLX(3)-25AR95S1	1.55	31
PWD-100-CA-8,CLLM-4,PTLX(3)-25AR95S1-G1<1	1.55	29
PWD-100-CA-8,CLLM-6,PTLX(3)-23AR95S1	1.55	31
PWD-100-CA-8,CLLM-6,PTLX(3)-23AR95S1-G1<1	1.55	29
PWD-100-CA-8,CLLM-7,LMPTLX(3)-23AR95S1	1.55	31
PWD-100-CA-8,CLLM-7,LMPTLX(3)-23AR95S1-G1<1	1.55	28
PWD-100-CA-9,CLLM-6,PTLX(3)-20AR95S1	1.55	31
PWD-100-CA-9,CLLM-6,PTLX(3)-20AR95S1-G1<1	1.55	28

### 150 Series Awning Window

Code (Glass Option Model)	Window U-Value (W/m <sup>2</sup> K)	Energy Rating (ER)
PWD-150-AW-3,SB60(2)-3,CL-16AR95IU	1.52	22
PWD-150-AW-3,SB60(2)-3,CL-16AR95IU-G1<1	1.52	20
PWD-150-AW-3,CL-3,PTLX(3)-16AR95IU	1.59	34
PWD-150-AW-3,CL-3,PTLX(3)-16AR95IU-G1<1	1.59	31
PWD-150-AW-3,SB60(2)-3,CL-3,CL-13AR95IU-13AIRIU	1.25	26
PWD-150-AW-3,SB60(2)-3,CL-3,CL-13AR95IU-13AIRIU-G1<1	1.25	25
PWD-150-AW-3,SB60(2)-3,SB60(4)-3,CL-13AR95IU	0.99	30
PWD-150-AW-3,SB60(2)-3,SB60-3,CL-13AR95IU-G1<1	0.99	29
PWD-150-AW-3,CL-3,CL-3,PTLX(5)-13AR95IU-13AIRIU	1.27	39
PWD-150-AW-3,CL-3,CL-3,PTLX(5)-13AR95IU-13AIRIU-G1<1	1.27	36
PWD-150-AW-3,CL-3,PTLX(3)-3,PTLX(5)-13AR95IU	1.04	42
PWD-150-AW-3,CL-3,PTLX(3)-3,PTLX(5)-13AR95IU-G1<1	1.04	40
PWD-150-AW-4,CL-3,PTLX(3)-15AR95IU	1.59	31
PWD-150-AW-4,CL-3,PTLX(3)-15AR95IU-G1<1	1.59	29
PWD-150-AW-4,CL-4,PTLX(3)-14AR95IU	1.58	30
PWD-150-AW-4,CL-4,PTLX(3)-14AR95IU-G1<1	1.58	28



Model Code (Glass Option)	Window U-Value (W/m <sup>2</sup> K)	Energy Rating (ER)
PWD-150-AW-6,CL-3,PTLX(3)-20AR95S1	1.57	30
PWD-150-AW-6,CL-3,PTLX(3)-20AR95S1-G1<1	1.57	28
PWD-150-AW-6,CL-4,PTLX(3)-25AR95S1	1.58	30
PWD-150-AW-6,CL-4,PTLX(3)-25AR95S1-G1<1	1.58	28
PWD-150-AW-6,CL-3,PTLX(3)-26AR95S1	1.58	30
PWD-150-AW-6,CL-3,PTLX(3)-26AR95S1-G1<1	1.58	28
PWD-150-AW-8,CLLM-4,PTLX(3)-25AR95S1	1.56	30
PWD-150-AW-8,CLLM-4,PTLX(3)-25AR95S1-G1<1	1.56	28
PWD-150-AW-8,CLLM-6,PTLX(3)-23AR95S1	1.56	30
PWD-150-AW-8,CLLM-6,PTLX(3)-23AR95S1-G1<1	1.56	28
PWD-150-AW-8,CLLM-7,LMPTLX(3)-23AR95S1	1.56	30
PWD-150-AW-8,CLLM-7,LMPTLX(3)-23AR95S1-G1<1	1.56	28
PWD-150-AW-9,CLLM-6,PTLX(3)-20AR95S1	1.56	30
PWD-150-AW-9,CLLM-6,PTLX(3)-20AR95S1-G1<1	1.56	28

### 400 Series Picture Window

Code (Glass Option Model)	Window U-Value (W/m <sup>2</sup> K)	Energy Rating (ER)
PWD-400-PC-3,SB60(2)-3,CL-16AR95IU	1.49	27
PWD-400-PC-3,SB60(2)-3,CL-16AR95IU-G1<1	1.49	25
PWD-400-PC-3,CL-3,PTLX(3)-16AR95IU	1.58	42
PWD-400-PC-3,CL-3,PTLX(3)-16AR95IU-G1<1	1.58	39
PWD-400-PC-3,SB60(2)-3,CL-3,CL-13AR95IU-13AIRIU	1.17	33
PWD-400-PC-3,SB60(2)-3,CL-3,CL-13AR95IU-13AIRIU-G1<1	1.17	31
PWD-400-PC-3,SB60(2)-3,SB60(4)-3,CL-13AR95IU	0.85	37
PWD-400-PC-3,SB60(2)-3,SB60-3,CL-13AR95IU-G1<1	0.85	36
PWD-400-PC-3,CL-3,CL-3,PTLX(5)-13AR95IU-13AIRIU	1.19	49
PWD-400-PC-3,CL-3,CL-3,PTLX(5)-13AR95IU-13AIRIU-G1<1	1.19	45
PWD-400-PC-3,CL-3,PTLX(3)-3,PTLX(5)-13AR95IU	0.91	52
PWD-400-PC-3,CL-3,PTLX(3)-3,PTLX(5)-13AR95IU-G1<1	0.91	49
PWD-400-PC-4,CL-3,PTLX(3)-15AR95IU	1.57	40
PWD-400-PC-4,CL-3,PTLX(3)-15AR95IU-G1<1	1.57	36
PWD-400-PC-4,CL-4,PTLX(3)-14AR95IU	1.56	40
PWD-400-PC-4,CL-4,PTLX(3)-14AR95IU-G1<1	1.56	36
PWD-400-PC-6,CL-3,PTLX(3)-20AR95S1	1.58	38
PWD-400-PC-6,CL-3,PTLX(3)-20AR95S1-G1<1	1.58	35
PWD-400-PC-6,CL-4,PTLX(3)-25AR95S1	1.60	37
PWD-400-PC-6,CL-4,PTLX(3)-25AR95S1-G1<1	1.60	34
PWD-400-PC-6,CL-3,PTLX(3)-26AR95S1	1.60	37
PWD-400-PC-6,CL-3,PTLX(3)-26AR95S1-G1<1	1.60	34
PWD-400-PC-8,CLLM-4,PTLX(3)-25AR95S1	1.58	38



Code (Glass Option Model)	Window U-Value (W/m <sup>2</sup> K)	Energy Rating (ER)
PWD-400-PC-8,CLLM-4,PTLX(3)-25AR95S1-G1<1	1.58	35
PWD-400-PC-8,CLLM-6,PTLX(3)-23AR95S1	1.57	38
PWD-400-PC-8,CLLM-6,PTLX(3)-23AR95S1-G1<1	1.57	35
PWD-400-PC-8,CLLM-7,LMPTLX(3)-23AR95S1	1.57	37
PWD-400-PC-8,CLLM-7,LMPTLX(3)-23AR95S1-G1<1	1.57	34
PWD-400-PC-9,CLLM-6,PTLX(3)-20AR95S1	1.57	37
PWD-400-PC-9,CLLM-6,PTLX(3)-20AR95S1-G1<1	1.57	34

## 450 Series Fixed Casement Window

Code (Glass Option Model)	Window U-Value (W/m <sup>2</sup> K)	Energy Rating (ER)
PWD-450-FC-3,SB60(2)-3,CL-16AR95IU	1.48	25
PWD-450-FC-3,SB60(2)-3,CL-16AR95IU-G1<1	1.48	24
PWD-450-FC-3,CL-3,PTLX(3)-16AR95IU	1.56	40
PWD-450-FC-3,CL-3,PTLX(3)-16AR95IU-G1<1	1.56	36
PWD-450-FC-3,SB60(2)-3,CL-3,CL-13AR95IU-13AIRIU	1.18	31
PWD-450-FC-3,SB60(2)-3,CL-3,CL-13AR95IU-13AIRIU-G1<1	1.18	29
PWD-450-FC-3,SB60(2)-3,SB60(4)-3,CL-13AR95IU	0.89	35
PWD-450-FC-3,SB60(2)-3,SB60-3,CL-13AR95IU-G1<1	0.89	34
PWD-450-FC-3,CL-3,CL-3,PTLX(5)-13AR95IU-13AIRIU	1.20	45
PWD-450-FC-3,CL-3,CL-3,PTLX(5)-13AR95IU-13AIRIU-G1<1	1.20	42
PWD-450-FC-3,CL-3,PTLX(3)-3,PTLX(5)-13AR95IU	0.95	49
PWD-450-FC-3,CL-3,PTLX(3)-3,PTLX(5)-13AR95IU-G1<1	0.95	46
PWD-450-FC-4,CL-3,PTLX(3)-15AR95IU	1.56	37
PWD-450-FC-4,CL-3,PTLX(3)-15AR95IU-G1<1	1.56	34
PWD-450-FC-4,CL-4,PTLX(3)-14AR95IU	1.55	37
PWD-450-FC-4,CL-4,PTLX(3)-14AR95IU-G1<1	1.55	34
PWD-450-FC-6,CL-3,PTLX(3)-20AR95S1	1.56	36
PWD-450-FC-6,CL-3,PTLX(3)-20AR95S1-G1<1	1.56	32
PWD-450-FC-6,CL-4,PTLX(3)-25AR95S1	1.58	35
PWD-450-FC-6,CL-4,PTLX(3)-25AR95S1-G1<1	1.58	32
PWD-450-FC-6,CL-3,PTLX(3)-26AR95S1	1.58	35
PWD-450-FC-6,CL-3,PTLX(3)-26AR95S1-G1<1	1.58	32
PWD-450-FC-8,CLLM-4,PTLX(3)-25AR95S1	1.56	36
PWD-450-FC-8,CLLM-4,PTLX(3)-25AR95S1-G1<1	1.56	33
PWD-450-FC-8,CLLM-6,PTLX(3)-23AR95S1	1.55	36
PWD-450-FC-8,CLLM-6,PTLX(3)-23AR95S1-G1<1	1.55	33
PWD-450-FC-8,CLLM-7,LMPTLX(3)-23AR95S1	1.55	36
PWD-450-FC-8,CLLM-7,LMPTLX(3)-23AR95S1-G1<1	1.55	33
PWD-450-FC-9,CLLM-6,PTLX(3)-20AR95S1	1.55	36
PWD-450-FC-9,CLLM-6,PTLX(3)-20AR95S1-G1<1	1.55	32

**Vinyl Window Designs Models:**

100P Series Casement Window

Code (Glass Option Model)	Window U-Value (W/m <sup>2</sup> K)	Energy Rating (ER)
VWD-100P-CA-3,SB60(2)-3,CL-16AR95IU	1.51	22
VWD-100P-CA-3,SB60(2)-3,CL-16AR95IU-G1<1	1.51	21
VWD-100P-CA-3,CL-3,PTLX(3)-16AR95IU	1.57	35
VWD-100P-CA-3,CL-3,PTLX(3)-16AR95IU-G1<1	1.57	32
VWD-100P-CA-3,SB60(2)-3,CL-3,CL-13AR95IU-13AIRIU	1.24	27
VWD-100P-CA-3,SB60(2)-3,CL-3,CL-13AR95IU-13AIRIU-G1<1	1.24	26
VWD-100P-CA-3,SB60(2)-3,SB60(4)-3,CL-13AR95IU	0.99	30
VWD-100P-CA-3,SB60(2)-3,SB60-3,CL-13AR95IU-G1<1	0.99	30
VWD-100P-CA-3,CL-3,CL-3,PTLX(5)-13AR95IU-13AIRIU	1.26	39
VWD-100P-CA-3,CL-3,CL-3,PTLX(5)-13AR95IU-13AIRIU-G1<1	1.26	36
VWD-100P-CA-3,CL-3,PTLX(3)-3,PTLX(5)-13AR95IU	1.04	42
VWD-100P-CA-3,CL-3,PTLX(3)-3,PTLX(5)-13AR95IU-G1<1	1.04	40
VWD-100P-CA-4,CL-3,PTLX(3)-15AR95IU	1.57	32
VWD-100P-CA-4,CL-3,PTLX(3)-15AR95IU-G1<1	1.57	30
VWD-100P-CA-4,CL-4,PTLX(3)-14AR95IU	1.57	32
VWD-100P-CA-4,CL-4,PTLX(3)-14AR95IU-G1<1	1.57	30
VWD-100P-CA-6,CL-3,PTLX(3)-20AR95S1	1.56	31
VWD-100P-CA-6,CL-3,PTLX(3)-20AR95S1-G1<1	1.56	29
VWD-100P-CA-6,CL-4,PTLX(3)-25AR95S1	1.57	31
VWD-100P-CA-6,CL-4,PTLX(3)-25AR95S1-G1<1	1.57	29
VWD-100P-CA-6,CL-3,PTLX(3)-26AR95S1	1.57	31
VWD-100P-CA-6,CL-3,PTLX(3)-26AR95S1-G1<1	1.57	29
VWD-100P-CA-8,CLLM-4,PTLX(3)-25AR95S1	1.55	31
VWD-100P-CA-8,CLLM-4,PTLX(3)-25AR95S1-G1<1	1.55	29
VWD-100P-CA-8,CLLM-6,PTLX(3)-23AR95S1	1.55	31
VWD-100P-CA-8,CLLM-6,PTLX(3)-23AR95S1-G1<1	1.55	29
VWD-100P-CA-8,CLLM-7,LMPTLX(3)-23AR95S1	1.55	31
VWD-100P-CA-8,CLLM-7,LMPTLX(3)-23AR95S1-G1<1	1.55	28
VWD-100P-CA-9,CLLM-6,PTLX(3)-20AR95S1	1.55	31
VWD-100P-CA-9,CLLM-6,PTLX(3)-20AR95S1-G1<1	1.55	28

150P Series Awning Window

Code (Glass Option Model)	Window U-Value (W/m <sup>2</sup> K)	Energy Rating (ER)
VWD-150P-AW-3,SB60(2)-3,CL-16AR95IU	1.52	22
VWD-150P-AW-3,SB60(2)-3,CL-16AR95IU-G1<1	1.52	20
VWD-150P-AW-3,CL-3,PTLX(3)-16AR95IU	1.59	34
VWD-150P-AW-3,CL-3,PTLX(3)-16AR95IU-G1<1	1.59	31
VWD-150P-AW-3,SB60(2)-3,CL-3,CL-13AR95IU-13AIRIU	1.25	26
VWD-150P-AW-3,SB60(2)-3,CL-3,CL-13AR95IU-13AIRIU-G1<1	1.25	25
VWD-150P-AW-3,SB60(2)-3,SB60(4)-3,CL-13AR95IU	0.99	30
VWD-150P-AW-3,SB60(2)-3,SB60-3,CL-13AR95IU-G1<1	0.99	29
VWD-150P-AW-3,CL-3,CL-3,PTLX(5)-13AR95IU-13AIRIU	1.27	39
VWD-150P-AW-3,CL-3,CL-3,PTLX(5)-13AR95IU-13AIRIU-G1<1	1.27	36
VWD-150P-AW-3,CL-3,PTLX(3)-3,PTLX(5)-13AR95IU	1.04	42
VWD-150P-AW-3,CL-3,PTLX(3)-3,PTLX(5)-13AR95IU-G1<1	1.04	40
VWD-150P-AW-4,CL-3,PTLX(3)-15AR95IU	1.59	31
VWD-150P-AW-4,CL-3,PTLX(3)-15AR95IU-G1<1	1.59	29
VWD-150P-AW-4,CL-4,PTLX(3)-14AR95IU	1.58	30
VWD-150P-AW-4,CL-4,PTLX(3)-14AR95IU-G1<1	1.58	28
VWD-150P-AW-6,CL-3,PTLX(3)-20AR95S1	1.57	30
VWD-150P-AW-6,CL-3,PTLX(3)-20AR95S1-G1<1	1.57	28
VWD-150P-AW-6,CL-4,PTLX(3)-25AR95S1	1.58	30
VWD-150P-AW-6,CL-4,PTLX(3)-25AR95S1-G1<1	1.58	28
VWD-150P-AW-6,CL-3,PTLX(3)-26AR95S1	1.58	30
VWD-150P-AW-6,CL-3,PTLX(3)-26AR95S1-G1<1	1.58	28
VWD-150P-AW-8,CLLM-4,PTLX(3)-25AR95S1	1.56	30
VWD-150P-AW-8,CLLM-4,PTLX(3)-25AR95S1-G1<1	1.56	28
VWD-150P-AW-8,CLLM-6,PTLX(3)-23AR95S1	1.56	30
VWD-150P-AW-8,CLLM-6,PTLX(3)-23AR95S1-G1<1	1.56	28
VWD-150P-AW-8,CLLM-7,LMPTLX(3)-23AR95S1	1.56	30
VWD-150P-AW-8,CLLM-7,LMPTLX(3)-23AR95S1-G1<1	1.56	28
VWD-150P-AW-9,CLLM-6,PTLX(3)-20AR95S1	1.56	30
VWD-150P-AW-9,CLLM-6,PTLX(3)-20AR95S1-G1<1	1.56	28





## 400P Series Picture Window

Code (Glass Option Model)	Window U-Value (W/m²K)	Energy Rating (ER)
VWD-400P-PC-3,SB60(2)-3,CL-16AR95IU	1.49	27
VWD-400P-PC-3,SB60(2)-3,CL-16AR95IU-G1<1	1.49	25
VWD-400P-PC-3,CL-3,PTLX(3)-16AR95IU	1.58	42
VWD-400P-PC-3,CL-3,PTLX(3)-16AR95IU-G1<1	1.58	39
VWD-400P-PC-3,SB60(2)-3,CL-3,CL-13AR95IU-13AIRIU	1.17	33
VWD-400P-PC-3,SB60(2)-3,CL-3,CL-13AR95IU-13AIRIU-G1<1	1.17	31
VWD-400P-PC-3,SB60(2)-3,SB60(4)-3,CL-13AR95IU	0.85	37
VWD-400P-PC-3,SB60(2)-3,SB60-3,CL-13AR95IU-G1<1	0.85	36
VWD-400P-PC-3,CL-3,CL-3,PTLX(5)-13AR95IU-13AIRIU	1.19	49
VWD-400P-PC-3,CL-3,CL-3,PTLX(5)-13AR95IU-13AIRIU-G1<1	1.19	45
VWD-400P-PC-3,CL-3,PTLX(3)-3,PTLX(5)-13AR95IU	0.91	52
VWD-400P-PC-3,CL-3,PTLX(3)-3,PTLX(5)-13AR95IU-G1<1	0.91	49
VWD-400P-PC-4,CL-3,PTLX(3)-15AR95IU	1.57	40
VWD-400P-PC-4,CL-3,PTLX(3)-15AR95IU-G1<1	1.57	36
VWD-400P-PC-4,CL-4,PTLX(3)-14AR95IU	1.56	40
VWD-400P-PC-4,CL-4,PTLX(3)-14AR95IU-G1<1	1.56	36
VWD-400P-PC-6,CL-3,PTLX(3)-20AR95S1	1.58	38
VWD-400P-PC-6,CL-3,PTLX(3)-20AR95S1-G1<1	1.58	35
VWD-400P-PC-6,CL-4,PTLX(3)-25AR95S1	1.60	37
VWD-400P-PC-6,CL-4,PTLX(3)-25AR95S1-G1<1	1.60	34
VWD-400P-PC-6,CL-3,PTLX(3)-26AR95S1	1.60	37
VWD-400P-PC-6,CL-3,PTLX(3)-26AR95S1-G1<1	1.60	34
VWD-400P-PC-8,CLLM-4,PTLX(3)-25AR95S1	1.58	38
VWD-400P-PC-8,CLLM-4,PTLX(3)-25AR95S1-G1<1	1.58	35
VWD-400P-PC-8,CLLM-6,PTLX(3)-23AR95S1	1.57	38
VWD-400P-PC-8,CLLM-6,PTLX(3)-23AR95S1-G1<1	1.57	35
VWD-400P-PC-8,CLLM-7,LMPTLX(3)-23AR95S1	1.57	37
VWD-400P-PC-8,CLLM-7,LMPTLX(3)-23AR95S1-G1<1	1.57	34
VWD-400P-PC-9,CLLM-6,PTLX(3)-20AR95S1	1.57	37
VWD-400P-PC-9,CLLM-6,PTLX(3)-20AR95S1-G1<1	1.57	34

450P Series Fixed Casement Window

Code (Glass Option Model)	Window U-Value (W/m <sup>2</sup> K)	Energy Rating (ER)
VWD-450P-FC-3,SB60(2)-3,CL-16AR95IU	1.48	25
VWD-450P-FC-3,SB60(2)-3,CL-16AR95IU-G1<1	1.48	24
VWD-450P-FC-3,CL-3,PTLX(3)-16AR95IU	1.56	40
VWD-450P-FC-3,CL-3,PTLX(3)-16AR95IU-G1<1	1.56	36
VWD-450P-FC-3,SB60(2)-3,CL-3,CL-13AR95IU-13AIRIU	1.18	31
VWD-450P-FC-3,SB60(2)-3,CL-3,CL-13AR95IU-13AIRIU-G1<1	1.18	29
VWD-450P-FC-3,SB60(2)-3,SB60(4)-3,CL-13AR95IU	0.89	35
VWD-450P-FC-3,SB60(2)-3,SB60(3),CL-13AR95IU-G1<1	0.89	34
VWD-450P-FC-3,CL-3,CL-3,PTLX(5)-13AR95IU-13AIRIU	1.20	45
VWD-450P-FC-3,CL-3,CL-3,PTLX(5)-13AR95IU-13AIRIU-G1<1	1.20	42
VWD-450P-FC-3,CL-3,PTLX(3)-3,PTLX(5)-13AR95IU	0.95	49
VWD-450P-FC-3,CL-3,PTLX(3)-3,PTLX(5)-13AR95IU-G1<1	0.95	46
VWD-450P-FC-4,CL-3,PTLX(3)-15AR95IU	1.56	37
VWD-450P-FC-4,CL-3,PTLX(3)-15AR95IU-G1<1	1.56	34
VWD-450P-FC-4,CL-4,PTLX(3)-14AR95IU	1.55	37
VWD-450P-FC-4,CL-4,PTLX(3)-14AR95IU-G1<1	1.55	34
VWD-450P-FC-6,CL-3,PTLX(3)-20AR95S1	1.56	36
VWD-450P-FC-6,CL-3,PTLX(3)-20AR95S1-G1<1	1.56	32
VWD-450P-FC-6,CL-4,PTLX(3)-25AR95S1	1.58	35
VWD-450P-FC-6,CL-4,PTLX(3)-25AR95S1-G1<1	1.58	32
VWD-450P-FC-6,CL-3,PTLX(3)-26AR95S1	1.58	35
VWD-450P-FC-6,CL-3,PTLX(3)-26AR95S1-G1<1	1.58	32
VWD-450P-FC-8,CLLM-4,PTLX(3)-25AR95S1	1.56	36
VWD-450P-FC-8,CLLM-4,PTLX(3)-25AR95S1-G1<1	1.56	33
VWD-450P-FC-8,CLLM-6,PTLX(3)-23AR95S1	1.55	36
VWD-450P-FC-8,CLLM-6,PTLX(3)-23AR95S1-G1<1	1.55	33
VWD-450P-FC-8,CLLM-7,LMPTLX(3)-23AR95S1	1.55	36
VWD-450P-FC-8,CLLM-7,LMPTLX(3)-23AR95S1-G1<1	1.55	33
VWD-450P-FC-9,CLLM-6,PTLX(3)-20AR95S1	1.55	36
VWD-450P-FC-9,CLLM-6,PTLX(3)-20AR95S1-G1<1	1.55	32

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.

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.

\*\*\*