

WINDOWS & DOORS LISTING PROGRAM

Customer: KV Custom Windows & Doors Ltd.
Class: Sliding Plastic Doors – Energy Performance
Sliding Plastic Doors – Physical Performance
Location: Vaughan, Ontario
Website: www.kvcustomwd.com

Listing No. W570-2
Report No. W570-2 ED1
Project No. W570-2 ED1
Effective Date: May 27, 2019
Last Revised Date: May 27, 2019
Expires: N/A

Standards: CSA A440.2 *Fenestration Energy Performance*
AAMA/WDMA/CSA 101/I.S.2/A440 *North American Fenestration Standard / Specification for windows, doors, and skylights (NAFS)*
CSA A440S1 *Canadian Supplement to NAFS - North American Fenestration Standard / Specification for windows, doors, and skylights*

Product: Sliding Plastic Doors

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: W570
- c) QAI logo shown here:



- d) "Evaluation for energy performance in accordance with CSA A440.2" and "Evaluation for physical performance in accordance with AAMA/WDMA/CSA 101/I.S.2/A440 and CSA A440S1"
- e) "Évalué pour la performance d'énergie en accord à la norme CSA A440.2" and "Évalué pour la performance de physique en accord à la norme AAMA/WDMA/CSA 101/I.S.2/A440 et CSA A440S1"

Note: product models and ratings are listed on the following pages.

MODELS / RATINGS:

Imperial Series Small Sash Patio Door (2 Panel)

Primary Designator	DP Positive	DP Negative	Water Penetration Pressure	Air Leakage (Canada)
Class R – PG35: Size tested 2426 x 2019 mm (~96 x 80 in) – Sliding Door (Type SD)	1680 Pa (35 psf)	-1680 Pa (-35 psf)	400 Pa (8.35 psf)	A3 Level

Glass Option #	Model Code	U-Value (W/m ² K)	Energy Rating
1	KVW-IMPDSMML-2P-3,272(2)-19AR90SE-3,CL-R	1.78	18
2	KVW-IMPDSMML-2P-3,180(2)-19AR90SE-3,I89(4)-R	1.56	31
3	KVW-IMPDSMML-2P-3,272(2)-19AR90SE-3,I89(4)-R	1.54	22
4	KVW-IMPDSMML-2P-3,366(2)-19AR90SE-3,I89(4)-R	1.52	18
5	KVW-IMPDSMML-2P-3,180(2)-3,CL-3,CL-13AR90SE-R	1.49	32
6	KVW-IMPDSMML-2P-3,272(2)-3,CL-3,CL-13AR90SE-R	1.47	23
7	KVW-IMPDSMML-2P-3,366(2)-3,CL-3,CL-13AR90SE-R	1.45	18
8	KVW-IMPDSMML-2P-3,180(2)-3,CL-3,I89(6)-13AR90SE-R	1.34	34
9	KVW-IMPDSMML-2P-3,272(2)-3,CL-3,I89(6)-13AR90SE-R	1.32	26
10	KVW-IMPDSMML-2P-3,366(2)-3,CL-3,I89(6)-13AR90SE-R	1.31	21
11	KVW-IMPDSMML-2P-3,180(2)-3,180(4)-3,I89(6)-13AR90SE-R	1.17	36
12	KVW-IMPDSMML-2P-3,272(2)-3,180(4)-3,I89(6)-13AR90SE-R	1.16	29
13	KVW-IMPDSMML-2P-3,366(2)-3,180(4)-3,I89(6)-13AR90SE-R	1.15	24
14	KVW-IMPDSMML-2P-3,272(2)-19AR90SE-3,CL	1.62	21
15	KVW-IMPDSMML-2P-3,180(2)-19AR90SE-3,I89(4)	1.40	35
16	KVW-IMPDSMML-2P-3,272(2)-19AR90SE-3,I89(4)	1.38	26
17	KVW-IMPDSMML-2P-3,366(2)-19AR90SE-3,I89(4)	1.36	21
18	KVW-IMPDSMML-2P-3,180(2)-3,CL-3,CL-13AR90SE	1.35	35
19	KVW-IMPDSMML-2P-3,272(2)-3,CL-3,CL-13AR90SE	1.32	27
20	KVW-IMPDSMML-2P-3,366(2)-3,CL-3,CL-13AR90SE	1.31	21
21	KVW-IMPDSMML-2P-3,180(2)-3,CL-3,I89(6)-13AR90SE	1.21	37
22	KVW-IMPDSMML-2P-3,272(2)-3,CL-3,I89(6)-13AR90SE	1.18	29
23	KVW-IMPDSMML-2P-3,366(2)-3,CL-3,I89(6)-13AR90SE	1.18	24
24	KVW-IMPDSMML-2P-3,180(2)-3,180(4)-3,I89(6)-13AR90SE	1.04	39
25	KVW-IMPDSMML-2P-3,272(2)-3,180(4)-3,I89(6)-13AR90SE	1.02	32
26	KVW-IMPDSMML-2P-3,366(2)-3,180(4)-3,I89(6)-13AR90SE	1.01	27
27	KVW-IMPDSMML-2P-3,272(2)-19AR90SE-3,CL-R-G1<1	1.78	18
28	KVW-IMPDSMML-2P-3,180(2)-19AR90SE-3,I89(4)-R-G1<1	1.56	31
29	KVW-IMPDSMML-2P-3,272(2)-19AR90SE-3,I89(4)-R-G1<1	1.54	22



Glass Option #	Model Code	U-Value (W/m ² K)	Energy Rating
30	KVW-IMPDSMML-2P-3,366(2)-19AR90SE-3,I89(4)-R-G1<1	1.52	18
31	KVW-IMPDSMML-2P-3,180(2)-3,CL-3,CL-13AR90SE-R-G1<1	1.49	32
32	KVW-IMPDSMML-2P-3,272(2)-3,CL-3,CL-13AR90SE-R-G1<1	1.47	23
33	KVW-IMPDSMML-2P-3,366(2)-3,CL-3,CL-13AR90SE-R-G1<1	1.45	18
34	KVW-IMPDSMML-2P-3,180(2)-3,CL-3,I89(6)-13AR90SE-R-G1<1	1.34	34
35	KVW-IMPDSMML-2P-3,272(2)-3,CL-3,I89(6)-13AR90SE-R-G1<1	1.32	26
36	KVW-IMPDSMML-2P-3,366(2)-3,CL-3,I89(6)-13AR90SE-R-G1<1	1.31	21
37	KVW-IMPDSMML-2P-3,180(2)-3,180(4)-3,I89(6)-13AR90SE-R-G1<1	1.17	36
38	KVW-IMPDSMML-2P-3,272(2)-3,180(4)-3,I89(6)-13AR90SE-R-G1<1	1.16	29
39	KVW-IMPDSMML-2P-3,366(2)-3,180(4)-3,I89(6)-13AR90SE-R-G1<1	1.15	24
40	KVW-IMPDSMML-2P-3,272(2)-19AR90SE-3,CL-G1<1	1.62	21
41	KVW-IMPDSMML-2P-3,180(2)-19AR90SE-3,I89(4)-G1<1	1.40	35
42	KVW-IMPDSMML-2P-3,272(2)-19AR90SE-3,I89(4)-G1<1	1.38	26
43	KVW-IMPDSMML-2P-3,366(2)-19AR90SE-3,I89(4)-G1<1	1.36	21
44	KVW-IMPDSMML-2P-3,180(2)-3,CL-3,CL-13AR90SE-G1<1	1.35	35
45	KVW-IMPDSMML-2P-3,272(2)-3,CL-3,CL-13AR90SE-G1<1	1.32	27
46	KVW-IMPDSMML-2P-3,366(2)-3,CL-3,CL-13AR90SE-G1<1	1.31	21
47	KVW-IMPDSMML-2P-3,180(2)-3,CL-3,I89(6)-13AR90SE-G1<1	1.21	37
48	KVW-IMPDSMML-2P-3,272(2)-3,CL-3,I89(6)-13AR90SE-G1<1	1.18	29
49	KVW-IMPDSMML-2P-3,366(2)-3,CL-3,I89(6)-13AR90SE-G1<1	1.18	24
50	KVW-IMPDSMML-2P-3,180(2)-3,180(4)-3,I89(6)-13AR90SE-G1<1	1.04	39
51	KVW-IMPDSMML-2P-3,272(2)-3,180(4)-3,I89(6)-13AR90SE-G1<1	1.02	32
52	KVW-IMPDSMML-2P-3,366(2)-3,180(4)-3,I89(6)-13AR90SE-G1<1	1.01	27
53	KVW-IMPDSMML-2P-3,272(2)-19AR90SE-3,CL-R-G2≥1	1.78	18
54	KVW-IMPDSMML-2P-3,180(2)-19AR90SE-3,I89(4)-R-G2≥1	1.56	31
55	KVW-IMPDSMML-2P-3,272(2)-19AR90SE-3,I89(4)-R-G2≥1	1.54	22
56	KVW-IMPDSMML-2P-3,366(2)-19AR90SE-3,I89(4)-R-G2≥1	1.52	18
57	KVW-IMPDSMML-2P-3,180(2)-3,CL-3,CL-13AR90SE-R-G2≥1	1.49	32
58	KVW-IMPDSMML-2P-3,272(2)-3,CL-3,CL-13AR90SE-R-G2≥1	1.47	23
59	KVW-IMPDSMML-2P-3,366(2)-3,CL-3,CL-13AR90SE-R-G2≥1	1.45	18
60	KVW-IMPDSMML-2P-3,180(2)-3,CL-3,I89(6)-13AR90SE-R-G2≥1	1.34	34
61	KVW-IMPDSMML-2P-3,272(2)-3,CL-3,I89(6)-13AR90SE-R-G2≥1	1.32	26
62	KVW-IMPDSMML-2P-3,366(2)-3,CL-3,I89(6)-13AR90SE-R-G2≥1	1.31	21
63	KVW-IMPDSMML-2P-3,180(2)-3,180(4)-3,I89(6)-13AR90SE-R-G2≥1	1.17	36
64	KVW-IMPDSMML-2P-3,272(2)-3,180(4)-3,I89(6)-13AR90SE-R-G2≥1	1.16	29
65	KVW-IMPDSMML-2P-3,366(2)-3,180(4)-3,I89(6)-13AR90SE-R-G2≥1	1.15	24
66	KVW-IMPDSMML-2P-3,272(2)-19AR90SE-3,CL-G2≥1	1.62	21
67	KVW-IMPDSMML-2P-3,180(2)-19AR90SE-3,I89(4)-G2≥1	1.40	35
68	KVW-IMPDSMML-2P-3,272(2)-19AR90SE-3,I89(4)-G2≥1	1.38	26



Glass Option #	Model Code	U-Value (W/m ² K)	Energy Rating
69	KVW-IMPSDSML-2P-3,366(2)-19AR90SE-3,I89(4)-G2≥1	1.36	21
70	KVW-IMPSDSML-2P-3,180(2)-3,CL-3,CL-13AR90SE-G2≥1	1.35	35
71	KVW-IMPSDSML-2P-3,272(2)-3,CL-3,CL-13AR90SE-G2≥1	1.32	27
72	KVW-IMPSDSML-2P-3,366(2)-3,CL-3,CL-13AR90SE-G2≥1	1.31	21
73	KVW-IMPSDSML-2P-3,180(2)-3,CL-3,I89(6)-13AR90SE-G2≥1	1.21	37
74	KVW-IMPSDSML-2P-3,272(2)-3,CL-3,I89(6)-13AR90SE-G2≥1	1.18	29
75	KVW-IMPSDSML-2P-3,366(2)-3,CL-3,I89(6)-13AR90SE-G2≥1	1.18	24
76	KVW-IMPSDSML-2P-3,180(2)-3,180(4)-3,I89(6)-13AR90SE-G2≥1	1.04	39
77	KVW-IMPSDSML-2P-3,272(2)-3,180(4)-3,I89(6)-13AR90SE-G2≥1	1.02	32
78	KVW-IMPSDSML-2P-3,366(2)-3,180(4)-3,I89(6)-13AR90SE-G2≥1	1.01	27
79	KVW-IMPSDSML-2P-3,272(2)-19AR90SE-3,CL-R-G3<1	1.78	18
80	KVW-IMPSDSML-2P-3,180(2)-19AR90SE-3,I89(4)-R-G3<1	1.56	31
81	KVW-IMPSDSML-2P-3,272(2)-19AR90SE-3,I89(4)-R-G3<1	1.54	22
82	KVW-IMPSDSML-2P-3,366(2)-19AR90SE-3,I89(4)-R-G3<1	1.52	18
83	KVW-IMPSDSML-2P-3,180(2)-3,CL-3,CL-13AR90SE-R-G3<1	1.53	28
84	KVW-IMPSDSML-2P-3,272(2)-3,CL-3,CL-13AR90SE-R-G3<1	1.51	20
85	KVW-IMPSDSML-2P-3,366(2)-3,CL-3,CL-13AR90SE-R-G3<1	1.49	16
86	KVW-IMPSDSML-2P-3,180(2)-3,CL-3,I89(6)-13AR90SE-R-G3<1	1.37	30
87	KVW-IMPSDSML-2P-3,272(2)-3,CL-3,I89(6)-13AR90SE-R-G3<1	1.35	24
88	KVW-IMPSDSML-2P-3,366(2)-3,CL-3,I89(6)-13AR90SE-R-G3<1	1.34	19
89	KVW-IMPSDSML-2P-3,180(2)-3,180(4)-3,I89(6)-13AR90SE-R-G3<1	1.19	33
90	KVW-IMPSDSML-2P-3,272(2)-3,180(4)-3,I89(6)-13AR90SE-R-G3<1	1.18	27
91	KVW-IMPSDSML-2P-3,366(2)-3,180(4)-3,I89(6)-13AR90SE-R-G3<1	1.17	23
92	KVW-IMPSDSML-2P-3,272(2)-19AR90SE-3,CL-G3<1	1.62	21
93	KVW-IMPSDSML-2P-3,180(2)-19AR90SE-3,I89(4)-G3<1	1.40	35
94	KVW-IMPSDSML-2P-3,272(2)-19AR90SE-3,I89(4)-G3<1	1.38	26
95	KVW-IMPSDSML-2P-3,366(2)-19AR90SE-3,I89(4)-G3<1	1.36	21
96	KVW-IMPSDSML-2P-3,180(2)-3,CL-3,CL-13AR90SE-G3<1	1.39	30
97	KVW-IMPSDSML-2P-3,272(2)-3,CL-3,CL-13AR90SE-G3<1	1.36	23
98	KVW-IMPSDSML-2P-3,366(2)-3,CL-3,CL-13AR90SE-G3<1	1.35	19
99	KVW-IMPSDSML-2P-3,180(2)-3,CL-3,I89(6)-13AR90SE-G3<1	1.23	33
100	KVW-IMPSDSML-2P-3,272(2)-3,CL-3,I89(6)-13AR90SE-G3<1	1.21	27
101	KVW-IMPSDSML-2P-3,366(2)-3,CL-3,I89(6)-13AR90SE-G3<1	1.20	22
102	KVW-IMPSDSML-2P-3,180(2)-3,180(4)-3,I89(6)-13AR90SE-G3<1	1.05	36
103	KVW-IMPSDSML-2P-3,272(2)-3,180(4)-3,I89(6)-13AR90SE-G3<1	1.04	30
104	KVW-IMPSDSML-2P-3,366(2)-3,180(4)-3,I89(6)-13AR90SE-G3<1	1.03	26
105	KVW-IMPSDSML-2P-3,272(2)-19AR90SE-3,CL-R-G4≥1	1.78	18
106	KVW-IMPSDSML-2P-3,180(2)-19AR90SE-3,I89(4)-R-G4≥1	1.56	31
107	KVW-IMPSDSML-2P-3,272(2)-19AR90SE-3,I89(4)-R-G4≥1	1.54	22



Glass Option #	Model Code	U-Value (W/m ² K)	Energy Rating
108	KVW-IMPDSMML-2P-3,366(2)-19AR90SE-3,I89(4)-R-G4≥1	1.52	18
109	KVW-IMPDSMML-2P-3,180(2)-3,CL-3,CL-13AR90SE-R-G4≥1	1.54	25
110	KVW-IMPDSMML-2P-3,272(2)-3,CL-3,CL-13AR90SE-R-G4≥1	1.52	18
111	KVW-IMPDSMML-2P-3,366(2)-3,CL-3,CL-13AR90SE-R-G4≥1	1.51	15
112	KVW-IMPDSMML-2P-3,180(2)-3,CL-3,I89(6)-13AR90SE-R-G4≥1	1.38	28
113	KVW-IMPDSMML-2P-3,272(2)-3,CL-3,I89(6)-13AR90SE-R-G4≥1	1.36	22
114	KVW-IMPDSMML-2P-3,366(2)-3,CL-3,I89(6)-13AR90SE-R-G4≥1	1.35	18
115	KVW-IMPDSMML-2P-3,180(2)-3,180(4)-3,I89(6)-13AR90SE-R-G4≥1	1.19	31
116	KVW-IMPDSMML-2P-3,272(2)-3,180(4)-3,I89(6)-13AR90SE-R-G4≥1	1.18	25
117	KVW-IMPDSMML-2P-3,366(2)-3,180(4)-3,I89(6)-13AR90SE-R-G4≥1	1.18	22
118	KVW-IMPDSMML-2P-3,272(2)-19AR90SE-3,CL-G4≥1	1.62	21
119	KVW-IMPDSMML-2P-3,180(2)-19AR90SE-3,I89(4)-G4≥1	1.40	35
120	KVW-IMPDSMML-2P-3,272(2)-19AR90SE-3,I89(4)-G4≥1	1.38	26
121	KVW-IMPDSMML-2P-3,366(2)-19AR90SE-3,I89(4)-G4≥1	1.36	21
122	KVW-IMPDSMML-2P-3,180(2)-3,CL-3,CL-13AR90SE-G4≥1	1.40	28
123	KVW-IMPDSMML-2P-3,272(2)-3,CL-3,CL-13AR90SE-G4≥1	1.38	21
124	KVW-IMPDSMML-2P-3,366(2)-3,CL-3,CL-13AR90SE-G4≥1	1.36	18
125	KVW-IMPDSMML-2P-3,180(2)-3,CL-3,I89(6)-13AR90SE-G4≥1	1.24	31
126	KVW-IMPDSMML-2P-3,272(2)-3,CL-3,I89(6)-13AR90SE-G4≥1	1.22	25
127	KVW-IMPDSMML-2P-3,366(2)-3,CL-3,I89(6)-13AR90SE-G4≥1	1.22	21
128	KVW-IMPDSMML-2P-3,180(2)-3,180(4)-3,I89(6)-13AR90SE-G4≥1	1.06	34
129	KVW-IMPDSMML-2P-3,272(2)-3,180(4)-3,I89(6)-13AR90SE-G4≥1	1.04	28
130	KVW-IMPDSMML-2P-3,366(2)-3,180(4)-3,I89(6)-13AR90SE-G4≥1	1.04	25
131	KVW-IMPDSMML-2P-3,272(2)-19AR90SE-3,CL-R-G5<1	1.78	18
132	KVW-IMPDSMML-2P-3,180(2)-19AR90SE-3,I89(4)-R-G5<1	1.56	31
133	KVW-IMPDSMML-2P-3,272(2)-19AR90SE-3,I89(4)-R-G5<1	1.54	22
134	KVW-IMPDSMML-2P-3,366(2)-19AR90SE-3,I89(4)-R-G5<1	1.52	18
135	KVW-IMPDSMML-2P-3,180(2)-3,CL-3,CL-13AR90SE-R-G5<1	1.49	32
136	KVW-IMPDSMML-2P-3,272(2)-3,CL-3,CL-13AR90SE-R-G5<1	1.47	23
137	KVW-IMPDSMML-2P-3,366(2)-3,CL-3,CL-13AR90SE-R-G5<1	1.45	18
138	KVW-IMPDSMML-2P-3,180(2)-3,CL-3,I89(6)-13AR90SE-R-G5<1	1.34	34
139	KVW-IMPDSMML-2P-3,272(2)-3,CL-3,I89(6)-13AR90SE-R-G5<1	1.32	26
140	KVW-IMPDSMML-2P-3,366(2)-3,CL-3,I89(6)-13AR90SE-R-G5<1	1.31	21
141	KVW-IMPDSMML-2P-3,180(2)-3,180(4)-3,I89(6)-13AR90SE-R-G5<1	1.17	36
142	KVW-IMPDSMML-2P-3,272(2)-3,180(4)-3,I89(6)-13AR90SE-R-G5<1	1.16	29
143	KVW-IMPDSMML-2P-3,366(2)-3,180(4)-3,I89(6)-13AR90SE-R-G5<1	1.15	24
144	KVW-IMPDSMML-2P-3,272(2)-19AR90SE-3,CL-G5<1	1.62	21
145	KVW-IMPDSMML-2P-3,180(2)-19AR90SE-3,I89(4)-G5<1	1.40	35
146	KVW-IMPDSMML-2P-3,272(2)-19AR90SE-3,I89(4)-G5<1	1.38	26



Glass Option #	Model Code	U-Value (W/m ² K)	Energy Rating
147	KVW-IMPDSMML-2P-3,366(2)-19AR90SE-3,I89(4)-G5<1	1.36	21
148	KVW-IMPDSMML-2P-3,180(2)-3,CL-3,CL-13AR90SE-G5<1	1.35	35
149	KVW-IMPDSMML-2P-3,272(2)-3,CL-3,CL-13AR90SE-G5<1	1.32	27
150	KVW-IMPDSMML-2P-3,366(2)-3,CL-3,CL-13AR90SE-G5<1	1.31	21
151	KVW-IMPDSMML-2P-3,180(2)-3,CL-3,I89(6)-13AR90SE-G5<1	1.21	37
152	KVW-IMPDSMML-2P-3,272(2)-3,CL-3,I89(6)-13AR90SE-G5<1	1.18	29
153	KVW-IMPDSMML-2P-3,366(2)-3,CL-3,I89(6)-13AR90SE-G5<1	1.18	24
154	KVW-IMPDSMML-2P-3,180(2)-3,180(4)-3,I89(6)-13AR90SE-G5<1	1.04	39
155	KVW-IMPDSMML-2P-3,272(2)-3,180(4)-3,I89(6)-13AR90SE-G5<1	1.02	32
156	KVW-IMPDSMML-2P-3,366(2)-3,180(4)-3,I89(6)-13AR90SE-G5<1	1.01	27
157	KVW-IMPDSMML-2P-3,272(2)-19AR90SE-3,CL-R-G6<1	1.78	18
158	KVW-IMPDSMML-2P-3,180(2)-19AR90SE-3,I89(4)-R-G6<1	1.56	31
159	KVW-IMPDSMML-2P-3,272(2)-19AR90SE-3,I89(4)-R-G6<1	1.54	22
160	KVW-IMPDSMML-2P-3,366(2)-19AR90SE-3,I89(4)-R-G6<1	1.52	18
161	KVW-IMPDSMML-2P-3,180(2)-3,CL-3,CL-13AR90SE-R-G6<1	1.49	32
162	KVW-IMPDSMML-2P-3,272(2)-3,CL-3,CL-13AR90SE-R-G6<1	1.47	23
163	KVW-IMPDSMML-2P-3,366(2)-3,CL-3,CL-13AR90SE-R-G6<1	1.45	18
164	KVW-IMPDSMML-2P-3,180(2)-3,CL-3,I89(6)-13AR90SE-R-G6<1	1.34	34
165	KVW-IMPDSMML-2P-3,272(2)-3,CL-3,I89(6)-13AR90SE-R-G6<1	1.32	26
166	KVW-IMPDSMML-2P-3,366(2)-3,CL-3,I89(6)-13AR90SE-R-G6<1	1.31	21
167	KVW-IMPDSMML-2P-3,180(2)-3,180(4)-3,I89(6)-13AR90SE-R-G6<1	1.17	36
168	KVW-IMPDSMML-2P-3,272(2)-3,180(4)-3,I89(6)-13AR90SE-R-G6<1	1.16	29
169	KVW-IMPDSMML-2P-3,366(2)-3,180(4)-3,I89(6)-13AR90SE-R-G6<1	1.15	24
170	KVW-IMPDSMML-2P-3,272(2)-19AR90SE-3,CL-G6<1	1.62	21
171	KVW-IMPDSMML-2P-3,180(2)-19AR90SE-3,I89(4)-G6<1	1.40	35
172	KVW-IMPDSMML-2P-3,272(2)-19AR90SE-3,I89(4)-G6<1	1.38	26
173	KVW-IMPDSMML-2P-3,366(2)-19AR90SE-3,I89(4)-G6<1	1.36	21
174	KVW-IMPDSMML-2P-3,180(2)-3,CL-3,CL-13AR90SE-G6<1	1.35	35
175	KVW-IMPDSMML-2P-3,272(2)-3,CL-3,CL-13AR90SE-G6<1	1.32	27
176	KVW-IMPDSMML-2P-3,366(2)-3,CL-3,CL-13AR90SE-G6<1	1.31	21
177	KVW-IMPDSMML-2P-3,180(2)-3,CL-3,I89(6)-13AR90SE-G6<1	1.21	37
178	KVW-IMPDSMML-2P-3,272(2)-3,CL-3,I89(6)-13AR90SE-G6<1	1.18	29
179	KVW-IMPDSMML-2P-3,366(2)-3,CL-3,I89(6)-13AR90SE-G6<1	1.18	24
180	KVW-IMPDSMML-2P-3,180(2)-3,180(4)-3,I89(6)-13AR90SE-G6<1	1.04	39
181	KVW-IMPDSMML-2P-3,272(2)-3,180(4)-3,I89(6)-13AR90SE-G6<1	1.02	32
182	KVW-IMPDSMML-2P-3,366(2)-3,180(4)-3,I89(6)-13AR90SE-G6<1	1.01	27

Imperial Series Small Sash Patio Door (3 Panel)

Primary Designator	DP Positive	DP Negative	Water Penetration Pressure	Air Leakage (Canada)
Class R – PG40: Size tested 3572 x 2019 mm (~141 x 80 in) – Sliding Door (Type SD)	1920 Pa (40 psf)	-1920 Pa (-40 psf)	360 Pa (7.52 psf)	A3 Level

Glass Option #	Model Code	U-Value (W/m ² K)	Energy Rating
1	KVW-IMPDSMML-3P-3,272(2)-19AR90SE-3,CL-R	1.78	18
2	KVW-IMPDSMML-3P-3,180(2)-19AR90SE-3,I89(4)-R	1.56	31
3	KVW-IMPDSMML-3P-3,272(2)-19AR90SE-3,I89(4)-R	1.54	22
4	KVW-IMPDSMML-3P-3,366(2)-19AR90SE-3,I89(4)-R	1.52	18
5	KVW-IMPDSMML-3P-3,180(2)-3,CL-3,CL-13AR90SE-R	1.49	32
6	KVW-IMPDSMML-3P-3,272(2)-3,CL-3,CL-13AR90SE-R	1.47	23
7	KVW-IMPDSMML-3P-3,366(2)-3,CL-3,CL-13AR90SE-R	1.45	18
8	KVW-IMPDSMML-3P-3,180(2)-3,CL-3,I89(6)-13AR90SE-R	1.34	34
9	KVW-IMPDSMML-3P-3,272(2)-3,CL-3,I89(6)-13AR90SE-R	1.32	26
10	KVW-IMPDSMML-3P-3,366(2)-3,CL-3,I89(6)-13AR90SE-R	1.31	21
11	KVW-IMPDSMML-3P-3,180(2)-3,180(4)-3,I89(6)-13AR90SE-R	1.17	36
12	KVW-IMPDSMML-3P-3,272(2)-3,180(4)-3,I89(6)-13AR90SE-R	1.16	29
13	KVW-IMPDSMML-3P-3,366(2)-3,180(4)-3,I89(6)-13AR90SE-R	1.15	24
14	KVW-IMPDSMML-3P-3,272(2)-19AR90SE-3,CL	1.62	21
15	KVW-IMPDSMML-3P-3,180(2)-19AR90SE-3,I89(4)	1.40	35
16	KVW-IMPDSMML-3P-3,272(2)-19AR90SE-3,I89(4)	1.38	26
17	KVW-IMPDSMML-3P-3,366(2)-19AR90SE-3,I89(4)	1.36	21
18	KVW-IMPDSMML-3P-3,180(2)-3,CL-3,CL-13AR90SE	1.35	35
19	KVW-IMPDSMML-3P-3,272(2)-3,CL-3,CL-13AR90SE	1.32	27
20	KVW-IMPDSMML-3P-3,366(2)-3,CL-3,CL-13AR90SE	1.31	21
21	KVW-IMPDSMML-3P-3,180(2)-3,CL-3,I89(6)-13AR90SE	1.21	37
22	KVW-IMPDSMML-3P-3,272(2)-3,CL-3,I89(6)-13AR90SE	1.18	29
23	KVW-IMPDSMML-3P-3,366(2)-3,CL-3,I89(6)-13AR90SE	1.18	24
24	KVW-IMPDSMML-3P-3,180(2)-3,180(4)-3,I89(6)-13AR90SE	1.04	39
25	KVW-IMPDSMML-3P-3,272(2)-3,180(4)-3,I89(6)-13AR90SE	1.02	32
26	KVW-IMPDSMML-3P-3,366(2)-3,180(4)-3,I89(6)-13AR90SE	1.01	27
27	KVW-IMPDSMML-3P-3,272(2)-19AR90SE-3,CL-R-G1<1	1.78	18
28	KVW-IMPDSMML-3P-3,180(2)-19AR90SE-3,I89(4)-R-G1<1	1.56	31
29	KVW-IMPDSMML-3P-3,272(2)-19AR90SE-3,I89(4)-R-G1<1	1.54	22
30	KVW-IMPDSMML-3P-3,366(2)-19AR90SE-3,I89(4)-R-G1<1	1.52	18
31	KVW-IMPDSMML-3P-3,180(2)-3,CL-3,CL-13AR90SE-R-G1<1	1.49	32



Glass Option #	Model Code	U-Value (W/m ² K)	Energy Rating
32	KVW-IMPDSMML-3P-3,272(2)-3,CL-3,CL-13AR90SE-R-G1<1	1.47	23
33	KVW-IMPDSMML-3P-3,366(2)-3,CL-3,CL-13AR90SE-R-G1<1	1.45	18
34	KVW-IMPDSMML-3P-3,180(2)-3,CL-3,I89(6)-13AR90SE-R-G1<1	1.34	34
35	KVW-IMPDSMML-3P-3,272(2)-3,CL-3,I89(6)-13AR90SE-R-G1<1	1.32	26
36	KVW-IMPDSMML-3P-3,366(2)-3,CL-3,I89(6)-13AR90SE-R-G1<1	1.31	21
37	KVW-IMPDSMML-3P-3,180(2)-3,180(4)-3,I89(6)-13AR90SE-R-G1<1	1.17	36
38	KVW-IMPDSMML-3P-3,272(2)-3,180(4)-3,I89(6)-13AR90SE-R-G1<1	1.16	29
39	KVW-IMPDSMML-3P-3,366(2)-3,180(4)-3,I89(6)-13AR90SE-R-G1<1	1.15	24
40	KVW-IMPDSMML-3P-3,272(2)-19AR90SE-3,CL-G1<1	1.62	21
41	KVW-IMPDSMML-3P-3,180(2)-19AR90SE-3,I89(4)-G1<1	1.40	35
42	KVW-IMPDSMML-3P-3,272(2)-19AR90SE-3,I89(4)-G1<1	1.38	26
43	KVW-IMPDSMML-3P-3,366(2)-19AR90SE-3,I89(4)-G1<1	1.36	21
44	KVW-IMPDSMML-3P-3,180(2)-3,CL-3,CL-13AR90SE-G1<1	1.35	35
45	KVW-IMPDSMML-3P-3,272(2)-3,CL-3,CL-13AR90SE-G1<1	1.32	27
46	KVW-IMPDSMML-3P-3,366(2)-3,CL-3,CL-13AR90SE-G1<1	1.31	21
47	KVW-IMPDSMML-3P-3,180(2)-3,CL-3,I89(6)-13AR90SE-G1<1	1.21	37
48	KVW-IMPDSMML-3P-3,272(2)-3,CL-3,I89(6)-13AR90SE-G1<1	1.18	29
49	KVW-IMPDSMML-3P-3,366(2)-3,CL-3,I89(6)-13AR90SE-G1<1	1.18	24
50	KVW-IMPDSMML-3P-3,180(2)-3,180(4)-3,I89(6)-13AR90SE-G1<1	1.04	39
51	KVW-IMPDSMML-3P-3,272(2)-3,180(4)-3,I89(6)-13AR90SE-G1<1	1.02	32
52	KVW-IMPDSMML-3P-3,366(2)-3,180(4)-3,I89(6)-13AR90SE-G1<1	1.01	27
53	KVW-IMPDSMML-3P-3,272(2)-19AR90SE-3,CL-R-G2≥1	1.78	18
54	KVW-IMPDSMML-3P-3,180(2)-19AR90SE-3,I89(4)-R-G2≥1	1.56	31
55	KVW-IMPDSMML-3P-3,272(2)-19AR90SE-3,I89(4)-R-G2≥1	1.54	22
56	KVW-IMPDSMML-3P-3,366(2)-19AR90SE-3,I89(4)-R-G2≥1	1.52	18
57	KVW-IMPDSMML-3P-3,180(2)-3,CL-3,CL-13AR90SE-R-G2≥1	1.49	32
58	KVW-IMPDSMML-3P-3,272(2)-3,CL-3,CL-13AR90SE-R-G2≥1	1.47	23
59	KVW-IMPDSMML-3P-3,366(2)-3,CL-3,CL-13AR90SE-R-G2≥1	1.45	18
60	KVW-IMPDSMML-3P-3,180(2)-3,CL-3,I89(6)-13AR90SE-R-G2≥1	1.34	34
61	KVW-IMPDSMML-3P-3,272(2)-3,CL-3,I89(6)-13AR90SE-R-G2≥1	1.32	26
62	KVW-IMPDSMML-3P-3,366(2)-3,CL-3,I89(6)-13AR90SE-R-G2≥1	1.31	21
63	KVW-IMPDSMML-3P-3,180(2)-3,180(4)-3,I89(6)-13AR90SE-R-G2≥1	1.17	36
64	KVW-IMPDSMML-3P-3,272(2)-3,180(4)-3,I89(6)-13AR90SE-R-G2≥1	1.16	29
65	KVW-IMPDSMML-3P-3,366(2)-3,180(4)-3,I89(6)-13AR90SE-R-G2≥1	1.15	24
66	KVW-IMPDSMML-3P-3,272(2)-19AR90SE-3,CL-G2≥1	1.62	21
67	KVW-IMPDSMML-3P-3,180(2)-19AR90SE-3,I89(4)-G2≥1	1.40	35
68	KVW-IMPDSMML-3P-3,272(2)-19AR90SE-3,I89(4)-G2≥1	1.38	26
69	KVW-IMPDSMML-3P-3,366(2)-19AR90SE-3,I89(4)-G2≥1	1.36	21
70	KVW-IMPDSMML-3P-3,180(2)-3,CL-3,CL-13AR90SE-G2≥1	1.35	35



Glass Option #	Model Code	U-Value (W/m ² K)	Energy Rating
71	KVW-IMPSDSML-3P-3,272(2)-3,CL-3,CL-13AR90SE-G2≥1	1.32	27
72	KVW-IMPSDSML-3P-3,366(2)-3,CL-3,CL-13AR90SE-G2≥1	1.31	21
73	KVW-IMPSDSML-3P-3,180(2)-3,CL-3,I89(6)-13AR90SE-G2≥1	1.21	37
74	KVW-IMPSDSML-3P-3,272(2)-3,CL-3,I89(6)-13AR90SE-G2≥1	1.18	29
75	KVW-IMPSDSML-3P-3,366(2)-3,CL-3,I89(6)-13AR90SE-G2≥1	1.18	24
76	KVW-IMPSDSML-3P-3,180(2)-3,180(4)-3,I89(6)-13AR90SE-G2≥1	1.04	39
77	KVW-IMPSDSML-3P-3,272(2)-3,180(4)-3,I89(6)-13AR90SE-G2≥1	1.02	32
78	KVW-IMPSDSML-3P-3,366(2)-3,180(4)-3,I89(6)-13AR90SE-G2≥1	1.01	27
79	KVW-IMPSDSML-3P-3,272(2)-19AR90SE-3,CL-R-G3<1	1.78	18
80	KVW-IMPSDSML-3P-3,180(2)-19AR90SE-3,I89(4)-R-G3<1	1.56	31
81	KVW-IMPSDSML-3P-3,272(2)-19AR90SE-3,I89(4)-R-G3<1	1.54	22
82	KVW-IMPSDSML-3P-3,366(2)-19AR90SE-3,I89(4)-R-G3<1	1.52	18
83	KVW-IMPSDSML-3P-3,180(2)-3,CL-3,CL-13AR90SE-R-G3<1	1.53	28
84	KVW-IMPSDSML-3P-3,272(2)-3,CL-3,CL-13AR90SE-R-G3<1	1.51	20
85	KVW-IMPSDSML-3P-3,366(2)-3,CL-3,CL-13AR90SE-R-G3<1	1.49	16
86	KVW-IMPSDSML-3P-3,180(2)-3,CL-3,I89(6)-13AR90SE-R-G3<1	1.37	30
87	KVW-IMPSDSML-3P-3,272(2)-3,CL-3,I89(6)-13AR90SE-R-G3<1	1.35	24
88	KVW-IMPSDSML-3P-3,366(2)-3,CL-3,I89(6)-13AR90SE-R-G3<1	1.34	19
89	KVW-IMPSDSML-3P-3,180(2)-3,180(4)-3,I89(6)-13AR90SE-R-G3<1	1.19	33
90	KVW-IMPSDSML-3P-3,272(2)-3,180(4)-3,I89(6)-13AR90SE-R-G3<1	1.18	27
91	KVW-IMPSDSML-3P-3,366(2)-3,180(4)-3,I89(6)-13AR90SE-R-G3<1	1.17	23
92	KVW-IMPSDSML-3P-3,272(2)-19AR90SE-3,CL-G3<1	1.62	21
93	KVW-IMPSDSML-3P-3,180(2)-19AR90SE-3,I89(4)-G3<1	1.40	35
94	KVW-IMPSDSML-3P-3,272(2)-19AR90SE-3,I89(4)-G3<1	1.38	26
95	KVW-IMPSDSML-3P-3,366(2)-19AR90SE-3,I89(4)-G3<1	1.36	21
96	KVW-IMPSDSML-3P-3,180(2)-3,CL-3,CL-13AR90SE-G3<1	1.39	30
97	KVW-IMPSDSML-3P-3,272(2)-3,CL-3,CL-13AR90SE-G3<1	1.36	23
98	KVW-IMPSDSML-3P-3,366(2)-3,CL-3,CL-13AR90SE-G3<1	1.35	19
99	KVW-IMPSDSML-3P-3,180(2)-3,CL-3,I89(6)-13AR90SE-G3<1	1.23	33
100	KVW-IMPSDSML-3P-3,272(2)-3,CL-3,I89(6)-13AR90SE-G3<1	1.21	27
101	KVW-IMPSDSML-3P-3,366(2)-3,CL-3,I89(6)-13AR90SE-G3<1	1.20	22
102	KVW-IMPSDSML-3P-3,180(2)-3,180(4)-3,I89(6)-13AR90SE-G3<1	1.05	36
103	KVW-IMPSDSML-3P-3,272(2)-3,180(4)-3,I89(6)-13AR90SE-G3<1	1.04	30
104	KVW-IMPSDSML-3P-3,366(2)-3,180(4)-3,I89(6)-13AR90SE-G3<1	1.03	26
105	KVW-IMPSDSML-3P-3,272(2)-19AR90SE-3,CL-R-G4≥1	1.78	18
106	KVW-IMPSDSML-3P-3,180(2)-19AR90SE-3,I89(4)-R-G4≥1	1.56	31
107	KVW-IMPSDSML-3P-3,272(2)-19AR90SE-3,I89(4)-R-G4≥1	1.54	22
108	KVW-IMPSDSML-3P-3,366(2)-19AR90SE-3,I89(4)-R-G4≥1	1.52	18
109	KVW-IMPSDSML-3P-3,180(2)-3,CL-3,CL-13AR90SE-R-G4≥1	1.54	25



Glass Option #	Model Code	U-Value (W/m ² K)	Energy Rating
110	KVW-IMPDSMML-3P-3,272(2)-3,CL-3,CL-13AR90SE-R-G4≥1	1.52	18
111	KVW-IMPDSMML-3P-3,366(2)-3,CL-3,CL-13AR90SE-R-G4≥1	1.51	15
112	KVW-IMPDSMML-3P-3,180(2)-3,CL-3,I89(6)-13AR90SE-R-G4≥1	1.38	28
113	KVW-IMPDSMML-3P-3,272(2)-3,CL-3,I89(6)-13AR90SE-R-G4≥1	1.36	22
114	KVW-IMPDSMML-3P-3,366(2)-3,CL-3,I89(6)-13AR90SE-R-G4≥1	1.35	18
115	KVW-IMPDSMML-3P-3,180(2)-3,180(4)-3,I89(6)-13AR90SE-R-G4≥1	1.19	31
116	KVW-IMPDSMML-3P-3,272(2)-3,180(4)-3,I89(6)-13AR90SE-R-G4≥1	1.18	25
117	KVW-IMPDSMML-3P-3,366(2)-3,180(4)-3,I89(6)-13AR90SE-R-G4≥1	1.18	22
118	KVW-IMPDSMML-3P-3,272(2)-19AR90SE-3,CL-G4≥1	1.62	21
119	KVW-IMPDSMML-3P-3,180(2)-19AR90SE-3,I89(4)-G4≥1	1.40	35
120	KVW-IMPDSMML-3P-3,272(2)-19AR90SE-3,I89(4)-G4≥1	1.38	26
121	KVW-IMPDSMML-3P-3,366(2)-19AR90SE-3,I89(4)-G4≥1	1.36	21
122	KVW-IMPDSMML-3P-3,180(2)-3,CL-3,CL-13AR90SE-G4≥1	1.40	28
123	KVW-IMPDSMML-3P-3,272(2)-3,CL-3,CL-13AR90SE-G4≥1	1.38	21
124	KVW-IMPDSMML-3P-3,366(2)-3,CL-3,CL-13AR90SE-G4≥1	1.36	18
125	KVW-IMPDSMML-3P-3,180(2)-3,CL-3,I89(6)-13AR90SE-G4≥1	1.24	31
126	KVW-IMPDSMML-3P-3,272(2)-3,CL-3,I89(6)-13AR90SE-G4≥1	1.22	25
127	KVW-IMPDSMML-3P-3,366(2)-3,CL-3,I89(6)-13AR90SE-G4≥1	1.22	21
128	KVW-IMPDSMML-3P-3,180(2)-3,180(4)-3,I89(6)-13AR90SE-G4≥1	1.06	34
129	KVW-IMPDSMML-3P-3,272(2)-3,180(4)-3,I89(6)-13AR90SE-G4≥1	1.04	28
130	KVW-IMPDSMML-3P-3,366(2)-3,180(4)-3,I89(6)-13AR90SE-G4≥1	1.04	25
131	KVW-IMPDSMML-3P-3,272(2)-19AR90SE-3,CL-R-G5<1	1.78	18
132	KVW-IMPDSMML-3P-3,180(2)-19AR90SE-3,I89(4)-R-G5<1	1.56	31
133	KVW-IMPDSMML-3P-3,272(2)-19AR90SE-3,I89(4)-R-G5<1	1.54	22
134	KVW-IMPDSMML-3P-3,366(2)-19AR90SE-3,I89(4)-R-G5<1	1.52	18
135	KVW-IMPDSMML-3P-3,180(2)-3,CL-3,CL-13AR90SE-R-G5<1	1.49	32
136	KVW-IMPDSMML-3P-3,272(2)-3,CL-3,CL-13AR90SE-R-G5<1	1.47	23
137	KVW-IMPDSMML-3P-3,366(2)-3,CL-3,CL-13AR90SE-R-G5<1	1.45	18
138	KVW-IMPDSMML-3P-3,180(2)-3,CL-3,I89(6)-13AR90SE-R-G5<1	1.34	34
139	KVW-IMPDSMML-3P-3,272(2)-3,CL-3,I89(6)-13AR90SE-R-G5<1	1.32	26
140	KVW-IMPDSMML-3P-3,366(2)-3,CL-3,I89(6)-13AR90SE-R-G5<1	1.31	21
141	KVW-IMPDSMML-3P-3,180(2)-3,180(4)-3,I89(6)-13AR90SE-R-G5<1	1.17	36
142	KVW-IMPDSMML-3P-3,272(2)-3,180(4)-3,I89(6)-13AR90SE-R-G5<1	1.16	29
143	KVW-IMPDSMML-3P-3,366(2)-3,180(4)-3,I89(6)-13AR90SE-R-G5<1	1.15	24
144	KVW-IMPDSMML-3P-3,272(2)-19AR90SE-3,CL-G5<1	1.62	21
145	KVW-IMPDSMML-3P-3,180(2)-19AR90SE-3,I89(4)-G5<1	1.40	35
146	KVW-IMPDSMML-3P-3,272(2)-19AR90SE-3,I89(4)-G5<1	1.38	26
147	KVW-IMPDSMML-3P-3,366(2)-19AR90SE-3,I89(4)-G5<1	1.36	21
148	KVW-IMPDSMML-3P-3,180(2)-3,CL-3,CL-13AR90SE-G5<1	1.35	35



Glass Option #	Model Code	U-Value (W/m²K)	Energy Rating
149	KVW-IMPDSMML-3P-3,272(2)-3,CL-3,CL-13AR90SE-G5<1	1.32	27
150	KVW-IMPDSMML-3P-3,366(2)-3,CL-3,CL-13AR90SE-G5<1	1.31	21
151	KVW-IMPDSMML-3P-3,180(2)-3,CL-3,I89(6)-13AR90SE-G5<1	1.21	37
152	KVW-IMPDSMML-3P-3,272(2)-3,CL-3,I89(6)-13AR90SE-G5<1	1.18	29
153	KVW-IMPDSMML-3P-3,366(2)-3,CL-3,I89(6)-13AR90SE-G5<1	1.18	24
154	KVW-IMPDSMML-3P-3,180(2)-3,180(4)-3,I89(6)-13AR90SE-G5<1	1.04	39
155	KVW-IMPDSMML-3P-3,272(2)-3,180(4)-3,I89(6)-13AR90SE-G5<1	1.02	32
156	KVW-IMPDSMML-3P-3,366(2)-3,180(4)-3,I89(6)-13AR90SE-G5<1	1.01	27
157	KVW-IMPDSMML-3P-3,272(2)-19AR90SE-3,CL-R-G6<1	1.78	18
158	KVW-IMPDSMML-3P-3,180(2)-19AR90SE-3,I89(4)-R-G6<1	1.56	31
159	KVW-IMPDSMML-3P-3,272(2)-19AR90SE-3,I89(4)-R-G6<1	1.54	22
160	KVW-IMPDSMML-3P-3,366(2)-19AR90SE-3,I89(4)-R-G6<1	1.52	18
161	KVW-IMPDSMML-3P-3,180(2)-3,CL-3,CL-13AR90SE-R-G6<1	1.49	32
162	KVW-IMPDSMML-3P-3,272(2)-3,CL-3,CL-13AR90SE-R-G6<1	1.47	23
163	KVW-IMPDSMML-3P-3,366(2)-3,CL-3,CL-13AR90SE-R-G6<1	1.45	18
164	KVW-IMPDSMML-3P-3,180(2)-3,CL-3,I89(6)-13AR90SE-R-G6<1	1.34	34
165	KVW-IMPDSMML-3P-3,272(2)-3,CL-3,I89(6)-13AR90SE-R-G6<1	1.32	26
166	KVW-IMPDSMML-3P-3,366(2)-3,CL-3,I89(6)-13AR90SE-R-G6<1	1.31	21
167	KVW-IMPDSMML-3P-3,180(2)-3,180(4)-3,I89(6)-13AR90SE-R-G6<1	1.17	36
168	KVW-IMPDSMML-3P-3,272(2)-3,180(4)-3,I89(6)-13AR90SE-R-G6<1	1.16	29
169	KVW-IMPDSMML-3P-3,366(2)-3,180(4)-3,I89(6)-13AR90SE-R-G6<1	1.15	24
170	KVW-IMPDSMML-3P-3,272(2)-19AR90SE-3,CL-G6<1	1.62	21
171	KVW-IMPDSMML-3P-3,180(2)-19AR90SE-3,I89(4)-G6<1	1.40	35
172	KVW-IMPDSMML-3P-3,272(2)-19AR90SE-3,I89(4)-G6<1	1.38	26
173	KVW-IMPDSMML-3P-3,366(2)-19AR90SE-3,I89(4)-G6<1	1.36	21
174	KVW-IMPDSMML-3P-3,180(2)-3,CL-3,CL-13AR90SE-G6<1	1.35	35
175	KVW-IMPDSMML-3P-3,272(2)-3,CL-3,CL-13AR90SE-G6<1	1.32	27
176	KVW-IMPDSMML-3P-3,366(2)-3,CL-3,CL-13AR90SE-G6<1	1.31	21
177	KVW-IMPDSMML-3P-3,180(2)-3,CL-3,I89(6)-13AR90SE-G6<1	1.21	37
178	KVW-IMPDSMML-3P-3,272(2)-3,CL-3,I89(6)-13AR90SE-G6<1	1.18	29
179	KVW-IMPDSMML-3P-3,366(2)-3,CL-3,I89(6)-13AR90SE-G6<1	1.18	24
180	KVW-IMPDSMML-3P-3,180(2)-3,180(4)-3,I89(6)-13AR90SE-G6<1	1.04	39
181	KVW-IMPDSMML-3P-3,272(2)-3,180(4)-3,I89(6)-13AR90SE-G6<1	1.02	32
182	KVW-IMPDSMML-3P-3,366(2)-3,180(4)-3,I89(6)-13AR90SE-G6<1	1.01	27

Imperial Series Small Sash Patio Door (4 Panel)

Primary Designator	DP Positive	DP Negative	Water Penetration Pressure	Air Leakage (Canada)
Class R – PG35: Size tested 4820 x 2019 mm (~190 x 80 in) – Sliding Door (Type SD)	1680 Pa (35 psf)	-1680 Pa (-35 psf)	290 Pa (6.06 psf)	A3 Level

Glass Option #	Model Code	U-Value (W/m ² K)	Energy Rating
1	KVW-IMPDSMML-4P-3,272(2)-19AR90SE-3,CL-R	1.78	18
2	KVW-IMPDSMML-4P-3,180(2)-19AR90SE-3,I89(4)-R	1.56	31
3	KVW-IMPDSMML-4P-3,272(2)-19AR90SE-3,I89(4)-R	1.54	22
4	KVW-IMPDSMML-4P-3,366(2)-19AR90SE-3,I89(4)-R	1.52	17
5	KVW-IMPDSMML-4P-3,180(2)-3,CL-3,CL-13AR90SE-R	1.49	31
6	KVW-IMPDSMML-4P-3,272(2)-3,CL-3,CL-13AR90SE-R	1.47	23
7	KVW-IMPDSMML-4P-3,366(2)-3,CL-3,CL-13AR90SE-R	1.45	18
8	KVW-IMPDSMML-4P-3,180(2)-3,CL-3,I89(6)-13AR90SE-R	1.34	34
9	KVW-IMPDSMML-4P-3,272(2)-3,CL-3,I89(6)-13AR90SE-R	1.32	26
10	KVW-IMPDSMML-4P-3,366(2)-3,CL-3,I89(6)-13AR90SE-R	1.31	21
11	KVW-IMPDSMML-4P-3,180(2)-3,180(4)-3,I89(6)-13AR90SE-R	1.17	36
12	KVW-IMPDSMML-4P-3,272(2)-3,180(4)-3,I89(6)-13AR90SE-R	1.16	29
13	KVW-IMPDSMML-4P-3,366(2)-3,180(4)-3,I89(6)-13AR90SE-R	1.15	24
14	KVW-IMPDSMML-4P-3,272(2)-19AR90SE-3,CL	1.62	21
15	KVW-IMPDSMML-4P-3,180(2)-19AR90SE-3,I89(4)	1.40	35
16	KVW-IMPDSMML-4P-3,272(2)-19AR90SE-3,I89(4)	1.38	26
17	KVW-IMPDSMML-4P-3,366(2)-19AR90SE-3,I89(4)	1.36	20
18	KVW-IMPDSMML-4P-3,180(2)-3,CL-3,CL-13AR90SE	1.35	34
19	KVW-IMPDSMML-4P-3,272(2)-3,CL-3,CL-13AR90SE	1.32	26
20	KVW-IMPDSMML-4P-3,366(2)-3,CL-3,CL-13AR90SE	1.31	21
21	KVW-IMPDSMML-4P-3,180(2)-3,CL-3,I89(6)-13AR90SE	1.21	36
22	KVW-IMPDSMML-4P-3,272(2)-3,CL-3,I89(6)-13AR90SE	1.18	29
23	KVW-IMPDSMML-4P-3,366(2)-3,CL-3,I89(6)-13AR90SE	1.18	24
24	KVW-IMPDSMML-4P-3,180(2)-3,180(4)-3,I89(6)-13AR90SE	1.04	39
25	KVW-IMPDSMML-4P-3,272(2)-3,180(4)-3,I89(6)-13AR90SE	1.02	32
26	KVW-IMPDSMML-4P-3,366(2)-3,180(4)-3,I89(6)-13AR90SE	1.01	27
27	KVW-IMPDSMML-4P-3,272(2)-19AR90SE-3,CL-R-G1<1	1.78	18
28	KVW-IMPDSMML-4P-3,180(2)-19AR90SE-3,I89(4)-R-G1<1	1.56	31
29	KVW-IMPDSMML-4P-3,272(2)-19AR90SE-3,I89(4)-R-G1<1	1.54	22
30	KVW-IMPDSMML-4P-3,366(2)-19AR90SE-3,I89(4)-R-G1<1	1.52	17
31	KVW-IMPDSMML-4P-3,180(2)-3,CL-3,CL-13AR90SE-R-G1<1	1.49	31



Glass Option #	Model Code	U-Value (W/m ² K)	Energy Rating
32	KVW-IMPDSMML-4P-3,272(2)-3,CL-3,CL-13AR90SE-R-G1<1	1.47	23
33	KVW-IMPDSMML-4P-3,366(2)-3,CL-3,CL-13AR90SE-R-G1<1	1.45	18
34	KVW-IMPDSMML-4P-3,180(2)-3,CL-3,I89(6)-13AR90SE-R-G1<1	1.34	34
35	KVW-IMPDSMML-4P-3,272(2)-3,CL-3,I89(6)-13AR90SE-R-G1<1	1.32	26
36	KVW-IMPDSMML-4P-3,366(2)-3,CL-3,I89(6)-13AR90SE-R-G1<1	1.31	21
37	KVW-IMPDSMML-4P-3,180(2)-3,180(4)-3,I89(6)-13AR90SE-R-G1<1	1.17	36
38	KVW-IMPDSMML-4P-3,272(2)-3,180(4)-3,I89(6)-13AR90SE-R-G1<1	1.16	29
39	KVW-IMPDSMML-4P-3,366(2)-3,180(4)-3,I89(6)-13AR90SE-R-G1<1	1.15	24
40	KVW-IMPDSMML-4P-3,272(2)-19AR90SE-3,CL-G1<1	1.62	21
41	KVW-IMPDSMML-4P-3,180(2)-19AR90SE-3,I89(4)-G1<1	1.40	35
42	KVW-IMPDSMML-4P-3,272(2)-19AR90SE-3,I89(4)-G1<1	1.38	26
43	KVW-IMPDSMML-4P-3,366(2)-19AR90SE-3,I89(4)-G1<1	1.36	20
44	KVW-IMPDSMML-4P-3,180(2)-3,CL-3,CL-13AR90SE-G1<1	1.35	34
45	KVW-IMPDSMML-4P-3,272(2)-3,CL-3,CL-13AR90SE-G1<1	1.32	26
46	KVW-IMPDSMML-4P-3,366(2)-3,CL-3,CL-13AR90SE-G1<1	1.31	21
47	KVW-IMPDSMML-4P-3,180(2)-3,CL-3,I89(6)-13AR90SE-G1<1	1.21	36
48	KVW-IMPDSMML-4P-3,272(2)-3,CL-3,I89(6)-13AR90SE-G1<1	1.18	29
49	KVW-IMPDSMML-4P-3,366(2)-3,CL-3,I89(6)-13AR90SE-G1<1	1.18	24
50	KVW-IMPDSMML-4P-3,180(2)-3,180(4)-3,I89(6)-13AR90SE-G1<1	1.04	39
51	KVW-IMPDSMML-4P-3,272(2)-3,180(4)-3,I89(6)-13AR90SE-G1<1	1.02	32
52	KVW-IMPDSMML-4P-3,366(2)-3,180(4)-3,I89(6)-13AR90SE-G1<1	1.01	27
53	KVW-IMPDSMML-4P-3,272(2)-19AR90SE-3,CL-R-G2≥1	1.78	18
54	KVW-IMPDSMML-4P-3,180(2)-19AR90SE-3,I89(4)-R-G2≥1	1.56	31
55	KVW-IMPDSMML-4P-3,272(2)-19AR90SE-3,I89(4)-R-G2≥1	1.54	22
56	KVW-IMPDSMML-4P-3,366(2)-19AR90SE-3,I89(4)-R-G2≥1	1.52	17
57	KVW-IMPDSMML-4P-3,180(2)-3,CL-3,CL-13AR90SE-R-G2≥1	1.49	31
58	KVW-IMPDSMML-4P-3,272(2)-3,CL-3,CL-13AR90SE-R-G2≥1	1.47	23
59	KVW-IMPDSMML-4P-3,366(2)-3,CL-3,CL-13AR90SE-R-G2≥1	1.45	18
60	KVW-IMPDSMML-4P-3,180(2)-3,CL-3,I89(6)-13AR90SE-R-G2≥1	1.34	34
61	KVW-IMPDSMML-4P-3,272(2)-3,CL-3,I89(6)-13AR90SE-R-G2≥1	1.32	26
62	KVW-IMPDSMML-4P-3,366(2)-3,CL-3,I89(6)-13AR90SE-R-G2≥1	1.31	21
63	KVW-IMPDSMML-4P-3,180(2)-3,180(4)-3,I89(6)-13AR90SE-R-G2≥1	1.17	36
64	KVW-IMPDSMML-4P-3,272(2)-3,180(4)-3,I89(6)-13AR90SE-R-G2≥1	1.16	29
65	KVW-IMPDSMML-4P-3,366(2)-3,180(4)-3,I89(6)-13AR90SE-R-G2≥1	1.15	24
66	KVW-IMPDSMML-4P-3,272(2)-19AR90SE-3,CL-G2≥1	1.62	21
67	KVW-IMPDSMML-4P-3,180(2)-19AR90SE-3,I89(4)-G2≥1	1.40	35
68	KVW-IMPDSMML-4P-3,272(2)-19AR90SE-3,I89(4)-G2≥1	1.38	26
69	KVW-IMPDSMML-4P-3,366(2)-19AR90SE-3,I89(4)-G2≥1	1.36	20
70	KVW-IMPDSMML-4P-3,180(2)-3,CL-3,CL-13AR90SE-G2≥1	1.35	34



Glass Option #	Model Code	U-Value (W/m ² K)	Energy Rating
71	KVW-IMPDSMML-4P-3,272(2)-3,CL-3,CL-13AR90SE-G2≥1	1.32	26
72	KVW-IMPDSMML-4P-3,366(2)-3,CL-3,CL-13AR90SE-G2≥1	1.31	21
73	KVW-IMPDSMML-4P-3,180(2)-3,CL-3,I89(6)-13AR90SE-G2≥1	1.21	36
74	KVW-IMPDSMML-4P-3,272(2)-3,CL-3,I89(6)-13AR90SE-G2≥1	1.18	29
75	KVW-IMPDSMML-4P-3,366(2)-3,CL-3,I89(6)-13AR90SE-G2≥1	1.18	24
76	KVW-IMPDSMML-4P-3,180(2)-3,180(4)-3,I89(6)-13AR90SE-G2≥1	1.04	39
77	KVW-IMPDSMML-4P-3,272(2)-3,180(4)-3,I89(6)-13AR90SE-G2≥1	1.02	32
78	KVW-IMPDSMML-4P-3,366(2)-3,180(4)-3,I89(6)-13AR90SE-G2≥1	1.01	27
79	KVW-IMPDSMML-4P-3,272(2)-19AR90SE-3,CL-R-G3<1	1.78	18
80	KVW-IMPDSMML-4P-3,180(2)-19AR90SE-3,I89(4)-R-G3<1	1.56	31
81	KVW-IMPDSMML-4P-3,272(2)-19AR90SE-3,I89(4)-R-G3<1	1.54	22
82	KVW-IMPDSMML-4P-3,366(2)-19AR90SE-3,I89(4)-R-G3<1	1.52	17
83	KVW-IMPDSMML-4P-3,180(2)-3,CL-3,CL-13AR90SE-R-G3<1	1.53	28
84	KVW-IMPDSMML-4P-3,272(2)-3,CL-3,CL-13AR90SE-R-G3<1	1.51	20
85	KVW-IMPDSMML-4P-3,366(2)-3,CL-3,CL-13AR90SE-R-G3<1	1.49	16
86	KVW-IMPDSMML-4P-3,180(2)-3,CL-3,I89(6)-13AR90SE-R-G3<1	1.37	30
87	KVW-IMPDSMML-4P-3,272(2)-3,CL-3,I89(6)-13AR90SE-R-G3<1	1.35	24
88	KVW-IMPDSMML-4P-3,366(2)-3,CL-3,I89(6)-13AR90SE-R-G3<1	1.34	19
89	KVW-IMPDSMML-4P-3,180(2)-3,180(4)-3,I89(6)-13AR90SE-R-G3<1	1.19	33
90	KVW-IMPDSMML-4P-3,272(2)-3,180(4)-3,I89(6)-13AR90SE-R-G3<1	1.18	27
91	KVW-IMPDSMML-4P-3,366(2)-3,180(4)-3,I89(6)-13AR90SE-R-G3<1	1.17	23
92	KVW-IMPDSMML-4P-3,272(2)-19AR90SE-3,CL-G3<1	1.62	21
93	KVW-IMPDSMML-4P-3,180(2)-19AR90SE-3,I89(4)-G3<1	1.40	35
94	KVW-IMPDSMML-4P-3,272(2)-19AR90SE-3,I89(4)-G3<1	1.38	26
95	KVW-IMPDSMML-4P-3,366(2)-19AR90SE-3,I89(4)-G3<1	1.36	20
96	KVW-IMPDSMML-4P-3,180(2)-3,CL-3,CL-13AR90SE-G3<1	1.39	30
97	KVW-IMPDSMML-4P-3,272(2)-3,CL-3,CL-13AR90SE-G3<1	1.36	23
98	KVW-IMPDSMML-4P-3,366(2)-3,CL-3,CL-13AR90SE-G3<1	1.35	19
99	KVW-IMPDSMML-4P-3,180(2)-3,CL-3,I89(6)-13AR90SE-G3<1	1.23	33
100	KVW-IMPDSMML-4P-3,272(2)-3,CL-3,I89(6)-13AR90SE-G3<1	1.21	27
101	KVW-IMPDSMML-4P-3,366(2)-3,CL-3,I89(6)-13AR90SE-G3<1	1.20	22
102	KVW-IMPDSMML-4P-3,180(2)-3,180(4)-3,I89(6)-13AR90SE-G3<1	1.05	36
103	KVW-IMPDSMML-4P-3,272(2)-3,180(4)-3,I89(6)-13AR90SE-G3<1	1.04	30
104	KVW-IMPDSMML-4P-3,366(2)-3,180(4)-3,I89(6)-13AR90SE-G3<1	1.03	25
105	KVW-IMPDSMML-4P-3,272(2)-19AR90SE-3,CL-R-G4≥1	1.78	18
106	KVW-IMPDSMML-4P-3,180(2)-19AR90SE-3,I89(4)-R-G4≥1	1.56	31
107	KVW-IMPDSMML-4P-3,272(2)-19AR90SE-3,I89(4)-R-G4≥1	1.54	22
108	KVW-IMPDSMML-4P-3,366(2)-19AR90SE-3,I89(4)-R-G4≥1	1.52	17
109	KVW-IMPDSMML-4P-3,180(2)-3,CL-3,CL-13AR90SE-R-G4≥1	1.54	25



Glass Option #	Model Code	U-Value (W/m ² K)	Energy Rating
110	KVW-IMPDSMML-4P-3,272(2)-3,CL-3,CL-13AR90SE-R-G4≥1	1.52	18
111	KVW-IMPDSMML-4P-3,366(2)-3,CL-3,CL-13AR90SE-R-G4≥1	1.51	15
112	KVW-IMPDSMML-4P-3,180(2)-3,CL-3,I89(6)-13AR90SE-R-G4≥1	1.38	27
113	KVW-IMPDSMML-4P-3,272(2)-3,CL-3,I89(6)-13AR90SE-R-G4≥1	1.36	22
114	KVW-IMPDSMML-4P-3,366(2)-3,CL-3,I89(6)-13AR90SE-R-G4≥1	1.35	18
115	KVW-IMPDSMML-4P-3,180(2)-3,180(4)-3,I89(6)-13AR90SE-R-G4≥1	1.19	30
116	KVW-IMPDSMML-4P-3,272(2)-3,180(4)-3,I89(6)-13AR90SE-R-G4≥1	1.18	25
117	KVW-IMPDSMML-4P-3,366(2)-3,180(4)-3,I89(6)-13AR90SE-R-G4≥1	1.18	21
118	KVW-IMPDSMML-4P-3,272(2)-19AR90SE-3,CL-G4≥1	1.62	21
119	KVW-IMPDSMML-4P-3,180(2)-19AR90SE-3,I89(4)-G4≥1	1.40	35
120	KVW-IMPDSMML-4P-3,272(2)-19AR90SE-3,I89(4)-G4≥1	1.38	26
121	KVW-IMPDSMML-4P-3,366(2)-19AR90SE-3,I89(4)-G4≥1	1.36	20
122	KVW-IMPDSMML-4P-3,180(2)-3,CL-3,CL-13AR90SE-G4≥1	1.40	28
123	KVW-IMPDSMML-4P-3,272(2)-3,CL-3,CL-13AR90SE-G4≥1	1.38	21
124	KVW-IMPDSMML-4P-3,366(2)-3,CL-3,CL-13AR90SE-G4≥1	1.36	18
125	KVW-IMPDSMML-4P-3,180(2)-3,CL-3,I89(6)-13AR90SE-G4≥1	1.24	31
126	KVW-IMPDSMML-4P-3,272(2)-3,CL-3,I89(6)-13AR90SE-G4≥1	1.22	25
127	KVW-IMPDSMML-4P-3,366(2)-3,CL-3,I89(6)-13AR90SE-G4≥1	1.22	21
128	KVW-IMPDSMML-4P-3,180(2)-3,180(4)-3,I89(6)-13AR90SE-G4≥1	1.06	33
129	KVW-IMPDSMML-4P-3,272(2)-3,180(4)-3,I89(6)-13AR90SE-G4≥1	1.04	28
130	KVW-IMPDSMML-4P-3,366(2)-3,180(4)-3,I89(6)-13AR90SE-G4≥1	1.04	25
131	KVW-IMPDSMML-4P-3,272(2)-19AR90SE-3,CL-R-G5<1	1.78	18
132	KVW-IMPDSMML-4P-3,180(2)-19AR90SE-3,I89(4)-R-G5<1	1.56	31
133	KVW-IMPDSMML-4P-3,272(2)-19AR90SE-3,I89(4)-R-G5<1	1.54	22
134	KVW-IMPDSMML-4P-3,366(2)-19AR90SE-3,I89(4)-R-G5<1	1.52	17
135	KVW-IMPDSMML-4P-3,180(2)-3,CL-3,CL-13AR90SE-R-G5<1	1.49	31
136	KVW-IMPDSMML-4P-3,272(2)-3,CL-3,CL-13AR90SE-R-G5<1	1.47	23
137	KVW-IMPDSMML-4P-3,366(2)-3,CL-3,CL-13AR90SE-R-G5<1	1.45	18
138	KVW-IMPDSMML-4P-3,180(2)-3,CL-3,I89(6)-13AR90SE-R-G5<1	1.34	34
139	KVW-IMPDSMML-4P-3,272(2)-3,CL-3,I89(6)-13AR90SE-R-G5<1	1.32	26
140	KVW-IMPDSMML-4P-3,366(2)-3,CL-3,I89(6)-13AR90SE-R-G5<1	1.31	21
141	KVW-IMPDSMML-4P-3,180(2)-3,180(4)-3,I89(6)-13AR90SE-R-G5<1	1.17	36
142	KVW-IMPDSMML-4P-3,272(2)-3,180(4)-3,I89(6)-13AR90SE-R-G5<1	1.16	29
143	KVW-IMPDSMML-4P-3,366(2)-3,180(4)-3,I89(6)-13AR90SE-R-G5<1	1.15	24
144	KVW-IMPDSMML-4P-3,272(2)-19AR90SE-3,CL-G5<1	1.62	21
145	KVW-IMPDSMML-4P-3,180(2)-19AR90SE-3,I89(4)-G5<1	1.40	35
146	KVW-IMPDSMML-4P-3,272(2)-19AR90SE-3,I89(4)-G5<1	1.38	26
147	KVW-IMPDSMML-4P-3,366(2)-19AR90SE-3,I89(4)-G5<1	1.36	20
148	KVW-IMPDSMML-4P-3,180(2)-3,CL-3,CL-13AR90SE-G5<1	1.35	34



Glass Option #	Model Code	U-Value (W/m ² K)	Energy Rating
149	KVW-IMPDSMML-4P-3,272(2)-3,CL-3,CL-13AR90SE-G5<1	1.32	26
150	KVW-IMPDSMML-4P-3,366(2)-3,CL-3,CL-13AR90SE-G5<1	1.31	21
151	KVW-IMPDSMML-4P-3,180(2)-3,CL-3,I89(6)-13AR90SE-G5<1	1.21	36
152	KVW-IMPDSMML-4P-3,272(2)-3,CL-3,I89(6)-13AR90SE-G5<1	1.18	29
153	KVW-IMPDSMML-4P-3,366(2)-3,CL-3,I89(6)-13AR90SE-G5<1	1.18	24
154	KVW-IMPDSMML-4P-3,180(2)-3,180(4)-3,I89(6)-13AR90SE-G5<1	1.04	39
155	KVW-IMPDSMML-4P-3,272(2)-3,180(4)-3,I89(6)-13AR90SE-G5<1	1.02	32
156	KVW-IMPDSMML-4P-3,366(2)-3,180(4)-3,I89(6)-13AR90SE-G5<1	1.01	27
157	KVW-IMPDSMML-4P-3,272(2)-19AR90SE-3,CL-R-G6<1	1.78	18
158	KVW-IMPDSMML-4P-3,180(2)-19AR90SE-3,I89(4)-R-G6<1	1.56	31
159	KVW-IMPDSMML-4P-3,272(2)-19AR90SE-3,I89(4)-R-G6<1	1.54	22
160	KVW-IMPDSMML-4P-3,366(2)-19AR90SE-3,I89(4)-R-G6<1	1.52	17
161	KVW-IMPDSMML-4P-3,180(2)-3,CL-3,CL-13AR90SE-R-G6<1	1.49	31
162	KVW-IMPDSMML-4P-3,272(2)-3,CL-3,CL-13AR90SE-R-G6<1	1.47	23
163	KVW-IMPDSMML-4P-3,366(2)-3,CL-3,CL-13AR90SE-R-G6<1	1.45	18
164	KVW-IMPDSMML-4P-3,180(2)-3,CL-3,I89(6)-13AR90SE-R-G6<1	1.34	34
165	KVW-IMPDSMML-4P-3,272(2)-3,CL-3,I89(6)-13AR90SE-R-G6<1	1.32	26
166	KVW-IMPDSMML-4P-3,366(2)-3,CL-3,I89(6)-13AR90SE-R-G6<1	1.31	21
167	KVW-IMPDSMML-4P-3,180(2)-3,180(4)-3,I89(6)-13AR90SE-R-G6<1	1.17	36
168	KVW-IMPDSMML-4P-3,272(2)-3,180(4)-3,I89(6)-13AR90SE-R-G6<1	1.16	29
169	KVW-IMPDSMML-4P-3,366(2)-3,180(4)-3,I89(6)-13AR90SE-R-G6<1	1.15	24
170	KVW-IMPDSMML-4P-3,272(2)-19AR90SE-3,CL-G6<1	1.62	21
171	KVW-IMPDSMML-4P-3,180(2)-19AR90SE-3,I89(4)-G6<1	1.40	35
172	KVW-IMPDSMML-4P-3,272(2)-19AR90SE-3,I89(4)-G6<1	1.38	26
173	KVW-IMPDSMML-4P-3,366(2)-19AR90SE-3,I89(4)-G6<1	1.36	20
174	KVW-IMPDSMML-4P-3,180(2)-3,CL-3,CL-13AR90SE-G6<1	1.35	34
175	KVW-IMPDSMML-4P-3,272(2)-3,CL-3,CL-13AR90SE-G6<1	1.32	26
176	KVW-IMPDSMML-4P-3,366(2)-3,CL-3,CL-13AR90SE-G6<1	1.31	21
177	KVW-IMPDSMML-4P-3,180(2)-3,CL-3,I89(6)-13AR90SE-G6<1	1.21	36
178	KVW-IMPDSMML-4P-3,272(2)-3,CL-3,I89(6)-13AR90SE-G6<1	1.18	29
179	KVW-IMPDSMML-4P-3,366(2)-3,CL-3,I89(6)-13AR90SE-G6<1	1.18	24
180	KVW-IMPDSMML-4P-3,180(2)-3,180(4)-3,I89(6)-13AR90SE-G6<1	1.04	39
181	KVW-IMPDSMML-4P-3,272(2)-3,180(4)-3,I89(6)-13AR90SE-G6<1	1.02	32
182	KVW-IMPDSMML-4P-3,366(2)-3,180(4)-3,I89(6)-13AR90SE-G6<1	1.01	27

Imperial Series Large Sash Patio Door (2 Panel)

Primary Designator	DP Positive	DP Negative	Water Penetration Pressure	Air Leakage (Canada)
Class R – PG35: Size tested 2426 x 2019 mm (~96 x 80 in) – Sliding Door (Type SD)	1680 Pa (35 psf)	-1680 Pa (-35 psf)	400 Pa (8.35 psf)	A3 Level

Glass Option #	Model Code	U-Value (W/m ² K)	Energy Rating
1	KVW-IMPSDLRG-2P-3,272(2)-19AR90SE-3,CL-R	1.88	14
2	KVW-IMPSDLRG-2P-3,180(2)-19AR90SE-3,I89(4)-R	1.68	27
3	KVW-IMPSDLRG-2P-3,272(2)-19AR90SE-3,I89(4)-R	1.65	19
4	KVW-IMPSDLRG-2P-3,366(2)-19AR90SE-3,I89(4)-R	1.63	15
5	KVW-IMPSDLRG-2P-3,180(2)-3,CL-3,CL-13AR90SE-R	1.60	27
6	KVW-IMPSDLRG-2P-3,272(2)-3,CL-3,CL-13AR90SE-R	1.58	20
7	KVW-IMPSDLRG-2P-3,366(2)-3,CL-3,CL-13AR90SE-R	1.56	16
8	KVW-IMPSDLRG-2P-3,180(2)-3,CL-3,I89(6)-13AR90SE-R	1.47	30
9	KVW-IMPSDLRG-2P-3,272(2)-3,CL-3,I89(6)-13AR90SE-R	1.45	23
10	KVW-IMPSDLRG-2P-3,366(2)-3,CL-3,I89(6)-13AR90SE-R	1.44	18
11	KVW-IMPSDLRG-2P-3,180(2)-3,180(4)-3,I89(6)-13AR90SE-R	1.31	32
12	KVW-IMPSDLRG-2P-3,272(2)-3,180(4)-3,I89(6)-13AR90SE-R	1.30	25
13	KVW-IMPSDLRG-2P-3,366(2)-3,180(4)-3,I89(6)-13AR90SE-R	1.29	21
14	KVW-IMPSDLRG-2P-3,272(2)-19AR90SE-3,CL	1.67	19
15	KVW-IMPSDLRG-2P-3,180(2)-19AR90SE-3,I89(4)	1.47	32
16	KVW-IMPSDLRG-2P-3,272(2)-19AR90SE-3,I89(4)	1.44	24
17	KVW-IMPSDLRG-2P-3,366(2)-19AR90SE-3,I89(4)	1.42	19
18	KVW-IMPSDLRG-2P-3,180(2)-3,CL-3,CL-13AR90SE	1.47	30
19	KVW-IMPSDLRG-2P-3,272(2)-3,CL-3,CL-13AR90SE	1.45	23
20	KVW-IMPSDLRG-2P-3,366(2)-3,CL-3,CL-13AR90SE	1.43	19
21	KVW-IMPSDLRG-2P-3,180(2)-3,CL-3,I89(6)-13AR90SE	1.34	20
22	KVW-IMPSDLRG-2P-3,272(2)-3,CL-3,I89(6)-13AR90SE	1.32	20
23	KVW-IMPSDLRG-2P-3,366(2)-3,CL-3,I89(6)-13AR90SE	1.31	33
24	KVW-IMPSDLRG-2P-3,180(2)-3,180(4)-3,I89(6)-13AR90SE	1.18	29
25	KVW-IMPSDLRG-2P-3,272(2)-3,180(4)-3,I89(6)-13AR90SE	1.17	24
26	KVW-IMPSDLRG-2P-3,366(2)-3,180(4)-3,I89(6)-13AR90SE	1.16	35
27	KVW-IMPSDLRG-2P-3,272(2)-19AR90SE-3,CL-R-G1<1	1.88	14
28	KVW-IMPSDLRG-2P-3,180(2)-19AR90SE-3,I89(4)-R-G1<1	1.68	27
29	KVW-IMPSDLRG-2P-3,272(2)-19AR90SE-3,I89(4)-R-G1<1	1.65	19
30	KVW-IMPSDLRG-2P-3,366(2)-19AR90SE-3,I89(4)-R-G1<1	1.63	15
31	KVW-IMPSDLRG-2P-3,180(2)-3,CL-3,CL-13AR90SE-R-G1<1	1.60	27



Glass Option #	Model Code	U-Value (W/m²K)	Energy Rating
32	KVW-IMPDLRG-2P-3,272(2)-3,CL-3,CL-13AR90SE-R-G1<1	1.58	20
33	KVW-IMPDLRG-2P-3,366(2)-3,CL-3,CL-13AR90SE-R-G1<1	1.56	16
34	KVW-IMPDLRG-2P-3,180(2)-3,CL-3,I89(6)-13AR90SE-R-G1<1	1.47	30
35	KVW-IMPDLRG-2P-3,272(2)-3,CL-3,I89(6)-13AR90SE-R-G1<1	1.45	23
36	KVW-IMPDLRG-2P-3,366(2)-3,CL-3,I89(6)-13AR90SE-R-G1<1	1.44	18
37	KVW-IMPDLRG-2P-3,180(2)-3,180(4)-3,I89(6)-13AR90SE-R-G1<1	1.31	32
38	KVW-IMPDLRG-2P-3,272(2)-3,180(4)-3,I89(6)-13AR90SE-R-G1<1	1.30	25
39	KVW-IMPDLRG-2P-3,366(2)-3,180(4)-3,I89(6)-13AR90SE-R-G1<1	1.29	21
40	KVW-IMPDLRG-2P-3,272(2)-19AR90SE-3,CL-G1<1	1.67	19
41	KVW-IMPDLRG-2P-3,180(2)-19AR90SE-3,I89(4)-G1<1	1.47	32
42	KVW-IMPDLRG-2P-3,272(2)-19AR90SE-3,I89(4)-G1<1	1.44	24
43	KVW-IMPDLRG-2P-3,366(2)-19AR90SE-3,I89(4)-G1<1	1.42	19
44	KVW-IMPDLRG-2P-3,180(2)-3,CL-3,CL-13AR90SE-G1<1	1.47	30
45	KVW-IMPDLRG-2P-3,272(2)-3,CL-3,CL-13AR90SE-G1<1	1.45	23
46	KVW-IMPDLRG-2P-3,366(2)-3,CL-3,CL-13AR90SE-G1<1	1.32	18
47	KVW-IMPDLRG-2P-3,180(2)-3,CL-3,I89(6)-13AR90SE-G1<1	1.32	20
48	KVW-IMPDLRG-2P-3,272(2)-3,CL-3,I89(6)-13AR90SE-G1<1	1.31	33
49	KVW-IMPDLRG-2P-3,366(2)-3,CL-3,I89(6)-13AR90SE-G1<1	1.18	29
50	KVW-IMPDLRG-2P-3,180(2)-3,180(4)-3,I89(6)-13AR90SE-G1<1	1.17	24
51	KVW-IMPDLRG-2P-3,272(2)-3,180(4)-3,I89(6)-13AR90SE-G1<1	1.16	35
52	KVW-IMPDLRG-2P-3,366(2)-3,180(4)-3,I89(6)-13AR90SE-G1<1	1.05	31
53	KVW-IMPDLRG-2P-3,272(2)-19AR90SE-3,CL-R-G2≥1	1.88	14
54	KVW-IMPDLRG-2P-3,180(2)-19AR90SE-3,I89(4)-R-G2≥1	1.68	27
55	KVW-IMPDLRG-2P-3,272(2)-19AR90SE-3,I89(4)-R-G2≥1	1.65	19
56	KVW-IMPDLRG-2P-3,366(2)-19AR90SE-3,I89(4)-R-G2≥1	1.63	15
57	KVW-IMPDLRG-2P-3,180(2)-3,CL-3,CL-13AR90SE-R-G2≥1	1.60	27
58	KVW-IMPDLRG-2P-3,272(2)-3,CL-3,CL-13AR90SE-R-G2≥1	1.58	20
59	KVW-IMPDLRG-2P-3,366(2)-3,CL-3,CL-13AR90SE-R-G2≥1	1.56	16
60	KVW-IMPDLRG-2P-3,180(2)-3,CL-3,I89(6)-13AR90SE-R-G2≥1	1.47	30
61	KVW-IMPDLRG-2P-3,272(2)-3,CL-3,I89(6)-13AR90SE-R-G2≥1	1.45	23
62	KVW-IMPDLRG-2P-3,366(2)-3,CL-3,I89(6)-13AR90SE-R-G2≥1	1.44	18
63	KVW-IMPDLRG-2P-3,180(2)-3,180(4)-3,I89(6)-13AR90SE-R-G2≥1	1.31	32
64	KVW-IMPDLRG-2P-3,272(2)-3,180(4)-3,I89(6)-13AR90SE-R-G2≥1	1.30	25
65	KVW-IMPDLRG-2P-3,366(2)-3,180(4)-3,I89(6)-13AR90SE-R-G2≥1	1.29	21
66	KVW-IMPDLRG-2P-3,272(2)-19AR90SE-3,CL-G2≥1	1.67	19
67	KVW-IMPDLRG-2P-3,180(2)-19AR90SE-3,I89(4)-G2≥1	1.47	32
68	KVW-IMPDLRG-2P-3,272(2)-19AR90SE-3,I89(4)-G2≥1	1.44	24
69	KVW-IMPDLRG-2P-3,366(2)-19AR90SE-3,I89(4)-G2≥1	1.42	19
70	KVW-IMPDLRG-2P-3,180(2)-3,CL-3,CL-13AR90SE-G2≥1	1.47	30



Glass Option #	Model Code	U-Value (W/m²K)	Energy Rating
71	KVW-IMPDLRG-2P-3,272(2)-3,CL-3,CL-13AR90SE-G2≥1	1.51	21
72	KVW-IMPDLRG-2P-3,366(2)-3,CL-3,CL-13AR90SE-G2≥1	1.40	16
73	KVW-IMPDLRG-2P-3,180(2)-3,CL-3,I89(6)-13AR90SE-G2≥1	1.38	19
74	KVW-IMPDLRG-2P-3,272(2)-3,CL-3,I89(6)-13AR90SE-G2≥1	1.37	32
75	KVW-IMPDLRG-2P-3,366(2)-3,CL-3,I89(6)-13AR90SE-G2≥1	1.24	27
76	KVW-IMPDLRG-2P-3,180(2)-3,180(4)-3,I89(6)-13AR90SE-G2≥1	1.23	22
77	KVW-IMPDLRG-2P-3,272(2)-3,180(4)-3,I89(6)-13AR90SE-G2≥1	1.22	34
78	KVW-IMPDLRG-2P-3,366(2)-3,180(4)-3,I89(6)-13AR90SE-G2≥1	1.05	31
79	KVW-IMPDLRG-2P-3,272(2)-19AR90SE-3,CL-R-G3<1	1.88	14
80	KVW-IMPDLRG-2P-3,180(2)-19AR90SE-3,I89(4)-R-G3<1	1.68	27
81	KVW-IMPDLRG-2P-3,272(2)-19AR90SE-3,I89(4)-R-G3<1	1.65	19
82	KVW-IMPDLRG-2P-3,366(2)-19AR90SE-3,I89(4)-R-G3<1	1.63	15
83	KVW-IMPDLRG-2P-3,180(2)-3,CL-3,CL-13AR90SE-R-G3<1	1.63	18
84	KVW-IMPDLRG-2P-3,272(2)-3,CL-3,CL-13AR90SE-R-G3<1	1.62	13
85	KVW-IMPDLRG-2P-3,366(2)-3,CL-3,CL-13AR90SE-R-G3<1	1.60	25
86	KVW-IMPDLRG-2P-3,180(2)-3,CL-3,I89(6)-13AR90SE-R-G3<1	1.49	20
87	KVW-IMPDLRG-2P-3,272(2)-3,CL-3,I89(6)-13AR90SE-R-G3<1	1.48	16
88	KVW-IMPDLRG-2P-3,366(2)-3,CL-3,I89(6)-13AR90SE-R-G3<1	1.47	27
89	KVW-IMPDLRG-2P-3,180(2)-3,180(4)-3,I89(6)-13AR90SE-R-G3<1	1.33	24
90	KVW-IMPDLRG-2P-3,272(2)-3,180(4)-3,I89(6)-13AR90SE-R-G3<1	1.32	19
91	KVW-IMPDLRG-2P-3,366(2)-3,180(4)-3,I89(6)-13AR90SE-R-G3<1	1.31	29
92	KVW-IMPDLRG-2P-3,272(2)-19AR90SE-3,CL-G3<1	1.88	14
93	KVW-IMPDLRG-2P-3,180(2)-19AR90SE-3,I89(4)-G3<1	1.68	27
94	KVW-IMPDLRG-2P-3,272(2)-19AR90SE-3,I89(4)-G3<1	1.65	19
95	KVW-IMPDLRG-2P-3,366(2)-19AR90SE-3,I89(4)-G3<1	1.63	15
96	KVW-IMPDLRG-2P-3,180(2)-3,CL-3,CL-13AR90SE-G3<1	1.50	18
97	KVW-IMPDLRG-2P-3,272(2)-3,CL-3,CL-13AR90SE-G3<1	1.49	15
98	KVW-IMPDLRG-2P-3,366(2)-3,CL-3,CL-13AR90SE-G3<1	1.47	27
99	KVW-IMPDLRG-2P-3,180(2)-3,CL-3,I89(6)-13AR90SE-G3<1	1.36	23
100	KVW-IMPDLRG-2P-3,272(2)-3,CL-3,I89(6)-13AR90SE-G3<1	1.34	19
101	KVW-IMPDLRG-2P-3,366(2)-3,CL-3,I89(6)-13AR90SE-G3<1	1.33	30
102	KVW-IMPDLRG-2P-3,180(2)-3,180(4)-3,I89(6)-13AR90SE-G3<1	1.19	27
103	KVW-IMPDLRG-2P-3,272(2)-3,180(4)-3,I89(6)-13AR90SE-G3<1	1.19	22
104	KVW-IMPDLRG-2P-3,366(2)-3,180(4)-3,I89(6)-13AR90SE-G3<1	1.18	32
105	KVW-IMPDLRG-2P-3,272(2)-19AR90SE-3,CL-R-G4≥1	1.88	14
106	KVW-IMPDLRG-2P-3,180(2)-19AR90SE-3,I89(4)-R-G4≥1	1.68	27
107	KVW-IMPDLRG-2P-3,272(2)-19AR90SE-3,I89(4)-R-G4≥1	1.65	19
108	KVW-IMPDLRG-2P-3,366(2)-19AR90SE-3,I89(4)-R-G4≥1	1.63	15
109	KVW-IMPDLRG-2P-3,180(2)-3,CL-3,CL-13AR90SE-R-G4≥1	1.65	16



Glass Option #	Model Code	U-Value (W/m²K)	Energy Rating
110	KVW-IMPDLRG-2P-3,272(2)-3,CL-3,CL-13AR90SE-R-G4≥1	1.63	11
111	KVW-IMPDLRG-2P-3,366(2)-3,CL-3,CL-13AR90SE-R-G4≥1	1.62	22
112	KVW-IMPDLRG-2P-3,180(2)-3,CL-3,I89(6)-13AR90SE-R-G4≥1	1.50	18
113	KVW-IMPDLRG-2P-3,272(2)-3,CL-3,I89(6)-13AR90SE-R-G4≥1	1.49	15
114	KVW-IMPDLRG-2P-3,366(2)-3,CL-3,I89(6)-13AR90SE-R-G4≥1	1.48	24
115	KVW-IMPDLRG-2P-3,180(2)-3,180(4)-3,I89(6)-13AR90SE-R-G4≥1	1.33	22
116	KVW-IMPDLRG-2P-3,272(2)-3,180(4)-3,I89(6)-13AR90SE-R-G4≥1	1.32	19
117	KVW-IMPDLRG-2P-3,366(2)-3,180(4)-3,I89(6)-13AR90SE-R-G4≥1	1.32	27
118	KVW-IMPDLRG-2P-3,272(2)-19AR90SE-3,CL-G4≥1	1.67	19
119	KVW-IMPDLRG-2P-3,180(2)-19AR90SE-3,I89(4)-G4≥1	1.47	32
120	KVW-IMPDLRG-2P-3,272(2)-19AR90SE-3,I89(4)-G4≥1	1.44	24
121	KVW-IMPDLRG-2P-3,366(2)-19AR90SE-3,I89(4)-G4≥1	1.42	19
122	KVW-IMPDLRG-2P-3,180(2)-3,CL-3,CL-13AR90SE-G4≥1	1.52	19
123	KVW-IMPDLRG-2P-3,272(2)-3,CL-3,CL-13AR90SE-G4≥1	1.50	14
124	KVW-IMPDLRG-2P-3,366(2)-3,CL-3,CL-13AR90SE-G4≥1	1.49	25
125	KVW-IMPDLRG-2P-3,180(2)-3,CL-3,I89(6)-13AR90SE-G4≥1	1.37	21
126	KVW-IMPDLRG-2P-3,272(2)-3,CL-3,I89(6)-13AR90SE-G4≥1	1.35	18
127	KVW-IMPDLRG-2P-3,366(2)-3,CL-3,I89(6)-13AR90SE-G4≥1	1.34	27
128	KVW-IMPDLRG-2P-3,180(2)-3,180(4)-3,I89(6)-13AR90SE-G4≥1	1.20	25
129	KVW-IMPDLRG-2P-3,272(2)-3,180(4)-3,I89(6)-13AR90SE-G4≥1	1.19	21
130	KVW-IMPDLRG-2P-3,366(2)-3,180(4)-3,I89(6)-13AR90SE-G4≥1	1.19	30
131	KVW-IMPDLRG-2P-3,272(2)-19AR90SE-3,CL-R-G5<1	1.88	14
132	KVW-IMPDLRG-2P-3,180(2)-19AR90SE-3,I89(4)-R-G5<1	1.68	27
133	KVW-IMPDLRG-2P-3,272(2)-19AR90SE-3,I89(4)-R-G5<1	1.65	19
134	KVW-IMPDLRG-2P-3,366(2)-19AR90SE-3,I89(4)-R-G5<1	1.63	15
135	KVW-IMPDLRG-2P-3,180(2)-3,CL-3,CL-13AR90SE-R-G5<1	1.60	27
136	KVW-IMPDLRG-2P-3,272(2)-3,CL-3,CL-13AR90SE-R-G5<1	1.58	20
137	KVW-IMPDLRG-2P-3,366(2)-3,CL-3,CL-13AR90SE-R-G5<1	1.56	16
138	KVW-IMPDLRG-2P-3,180(2)-3,CL-3,I89(6)-13AR90SE-R-G5<1	1.47	30
139	KVW-IMPDLRG-2P-3,272(2)-3,CL-3,I89(6)-13AR90SE-R-G5<1	1.45	23
140	KVW-IMPDLRG-2P-3,366(2)-3,CL-3,I89(6)-13AR90SE-R-G5<1	1.44	18
141	KVW-IMPDLRG-2P-3,180(2)-3,180(4)-3,I89(6)-13AR90SE-R-G5<1	1.31	32
142	KVW-IMPDLRG-2P-3,272(2)-3,180(4)-3,I89(6)-13AR90SE-R-G5<1	1.30	25
143	KVW-IMPDLRG-2P-3,366(2)-3,180(4)-3,I89(6)-13AR90SE-R-G5<1	1.29	21
144	KVW-IMPDLRG-2P-3,272(2)-19AR90SE-3,CL-G5<1	1.67	19
145	KVW-IMPDLRG-2P-3,180(2)-19AR90SE-3,I89(4)-G5<1	1.47	32
146	KVW-IMPDLRG-2P-3,272(2)-19AR90SE-3,I89(4)-G5<1	1.44	24
147	KVW-IMPDLRG-2P-3,366(2)-19AR90SE-3,I89(4)-G5<1	1.42	19
148	KVW-IMPDLRG-2P-3,180(2)-3,CL-3,CL-13AR90SE-G5<1	1.47	30



Glass Option #	Model Code	U-Value (W/m²K)	Energy Rating
149	KVW-IMPDLRG-2P-3,272(2)-3,CL-3,CL-13AR90SE-G5<1	1.45	23
150	KVW-IMPDLRG-2P-3,366(2)-3,CL-3,CL-13AR90SE-G5<1	1.32	18
151	KVW-IMPDLRG-2P-3,180(2)-3,CL-3,I89(6)-13AR90SE-G5<1	1.32	20
152	KVW-IMPDLRG-2P-3,272(2)-3,CL-3,I89(6)-13AR90SE-G5<1	1.31	33
153	KVW-IMPDLRG-2P-3,366(2)-3,CL-3,I89(6)-13AR90SE-G5<1	1.18	29
154	KVW-IMPDLRG-2P-3,180(2)-3,180(4)-3,I89(6)-13AR90SE-G5<1	1.17	24
155	KVW-IMPDLRG-2P-3,272(2)-3,180(4)-3,I89(6)-13AR90SE-G5<1	1.16	35
156	KVW-IMPDLRG-2P-3,366(2)-3,180(4)-3,I89(6)-13AR90SE-G5<1	1.05	31
157	KVW-IMPDLRG-2P-3,272(2)-19AR90SE-3,CL-R-G6<1	1.88	14
158	KVW-IMPDLRG-2P-3,180(2)-19AR90SE-3,I89(4)-R-G6<1	1.68	27
159	KVW-IMPDLRG-2P-3,272(2)-19AR90SE-3,I89(4)-R-G6<1	1.65	19
160	KVW-IMPDLRG-2P-3,366(2)-19AR90SE-3,I89(4)-R-G6<1	1.63	15
161	KVW-IMPDLRG-2P-3,180(2)-3,CL-3,CL-13AR90SE-R-G6<1	1.60	27
162	KVW-IMPDLRG-2P-3,272(2)-3,CL-3,CL-13AR90SE-R-G6<1	1.58	20
163	KVW-IMPDLRG-2P-3,366(2)-3,CL-3,CL-13AR90SE-R-G6<1	1.56	16
164	KVW-IMPDLRG-2P-3,180(2)-3,CL-3,I89(6)-13AR90SE-R-G6<1	1.47	30
165	KVW-IMPDLRG-2P-3,272(2)-3,CL-3,I89(6)-13AR90SE-R-G6<1	1.45	23
166	KVW-IMPDLRG-2P-3,366(2)-3,CL-3,I89(6)-13AR90SE-R-G6<1	1.44	18
167	KVW-IMPDLRG-2P-3,180(2)-3,180(4)-3,I89(6)-13AR90SE-R-G6<1	1.31	32
168	KVW-IMPDLRG-2P-3,272(2)-3,180(4)-3,I89(6)-13AR90SE-R-G6<1	1.30	25
169	KVW-IMPDLRG-2P-3,366(2)-3,180(4)-3,I89(6)-13AR90SE-R-G6<1	1.29	21
170	KVW-IMPDLRG-2P-3,272(2)-19AR90SE-3,CL-G6<1	1.67	19
171	KVW-IMPDLRG-2P-3,180(2)-19AR90SE-3,I89(4)-G6<1	1.47	32
172	KVW-IMPDLRG-2P-3,272(2)-19AR90SE-3,I89(4)-G6<1	1.44	24
173	KVW-IMPDLRG-2P-3,366(2)-19AR90SE-3,I89(4)-G6<1	1.42	19
174	KVW-IMPDLRG-2P-3,180(2)-3,CL-3,CL-13AR90SE-G6<1	1.47	30
175	KVW-IMPDLRG-2P-3,272(2)-3,CL-3,CL-13AR90SE-G6<1	1.45	23
176	KVW-IMPDLRG-2P-3,366(2)-3,CL-3,CL-13AR90SE-G6<1	1.32	18
177	KVW-IMPDLRG-2P-3,180(2)-3,CL-3,I89(6)-13AR90SE-G6<1	1.32	20
178	KVW-IMPDLRG-2P-3,272(2)-3,CL-3,I89(6)-13AR90SE-G6<1	1.31	33
179	KVW-IMPDLRG-2P-3,366(2)-3,CL-3,I89(6)-13AR90SE-G6<1	1.18	29
180	KVW-IMPDLRG-2P-3,180(2)-3,180(4)-3,I89(6)-13AR90SE-G6<1	1.17	24
181	KVW-IMPDLRG-2P-3,272(2)-3,180(4)-3,I89(6)-13AR90SE-G6<1	1.16	35
182	KVW-IMPDLRG-2P-3,366(2)-3,180(4)-3,I89(6)-13AR90SE-G6<1	1.05	31

Imperial Series Large Sash Patio Door (3 Panel)

Primary Designator	DP Positive	DP Negative	Water Penetration Pressure	Air Leakage (Canada)
Class R – PG40: Size tested 3572 x 2019 mm (~141 x 80 in) – Sliding Door (Type SD)	1920 Pa (40 psf)	-1920 Pa (-40 psf)	360 Pa (7.52 psf)	A3 Level

Glass Option #	Model Code	U-Value (W/m ² K)	Energy Rating
1	KVW-IMPDLRG-3P-3,272(2)-19AR90SE-3,CL-R	1.88	14
2	KVW-IMPDLRG-3P-3,180(2)-19AR90SE-3,I89(4)-R	1.68	27
3	KVW-IMPDLRG-3P-3,272(2)-19AR90SE-3,I89(4)-R	1.65	19
4	KVW-IMPDLRG-3P-3,366(2)-19AR90SE-3,I89(4)-R	1.63	15
5	KVW-IMPDLRG-3P-3,180(2)-3,CL-3,CL-13AR90SE-R	1.60	27
6	KVW-IMPDLRG-3P-3,272(2)-3,CL-3,CL-13AR90SE-R	1.58	20
7	KVW-IMPDLRG-3P-3,366(2)-3,CL-3,CL-13AR90SE-R	1.56	16
8	KVW-IMPDLRG-3P-3,180(2)-3,CL-3,I89(6)-13AR90SE-R	1.47	30
9	KVW-IMPDLRG-3P-3,272(2)-3,CL-3,I89(6)-13AR90SE-R	1.45	23
10	KVW-IMPDLRG-3P-3,366(2)-3,CL-3,I89(6)-13AR90SE-R	1.44	18
11	KVW-IMPDLRG-3P-3,180(2)-3,180(4)-3,I89(6)-13AR90SE-R	1.31	32
12	KVW-IMPDLRG-3P-3,272(2)-3,180(4)-3,I89(6)-13AR90SE-R	1.30	25
13	KVW-IMPDLRG-3P-3,366(2)-3,180(4)-3,I89(6)-13AR90SE-R	1.29	21
14	KVW-IMPDLRG-3P-3,272(2)-19AR90SE-3,CL	1.67	19
15	KVW-IMPDLRG-3P-3,180(2)-19AR90SE-3,I89(4)	1.47	32
16	KVW-IMPDLRG-3P-3,272(2)-19AR90SE-3,I89(4)	1.44	24
17	KVW-IMPDLRG-3P-3,366(2)-19AR90SE-3,I89(4)	1.42	19
18	KVW-IMPDLRG-3P-3,180(2)-3,CL-3,CL-13AR90SE	1.47	30
19	KVW-IMPDLRG-3P-3,272(2)-3,CL-3,CL-13AR90SE	1.45	23
20	KVW-IMPDLRG-3P-3,366(2)-3,CL-3,CL-13AR90SE	1.43	19
21	KVW-IMPDLRG-3P-3,180(2)-3,CL-3,I89(6)-13AR90SE	1.34	20
22	KVW-IMPDLRG-3P-3,272(2)-3,CL-3,I89(6)-13AR90SE	1.32	20
23	KVW-IMPDLRG-3P-3,366(2)-3,CL-3,I89(6)-13AR90SE	1.31	33
24	KVW-IMPDLRG-3P-3,180(2)-3,180(4)-3,I89(6)-13AR90SE	1.18	29
25	KVW-IMPDLRG-3P-3,272(2)-3,180(4)-3,I89(6)-13AR90SE	1.17	24
26	KVW-IMPDLRG-3P-3,366(2)-3,180(4)-3,I89(6)-13AR90SE	1.16	35
27	KVW-IMPDLRG-3P-3,272(2)-19AR90SE-3,CL-R-G1<1	1.88	14
28	KVW-IMPDLRG-3P-3,180(2)-19AR90SE-3,I89(4)-R-G1<1	1.68	27
29	KVW-IMPDLRG-3P-3,272(2)-19AR90SE-3,I89(4)-R-G1<1	1.65	19
30	KVW-IMPDLRG-3P-3,366(2)-19AR90SE-3,I89(4)-R-G1<1	1.63	15
31	KVW-IMPDLRG-3P-3,180(2)-3,CL-3,CL-13AR90SE-R-G1<1	1.60	27



Glass Option #	Model Code	U-Value (W/m ² K)	Energy Rating
32	KVW-IMPDLRG-3P-3,272(2)-3,CL-3,CL-13AR90SE-R-G1<1	1.58	20
33	KVW-IMPDLRG-3P-3,366(2)-3,CL-3,CL-13AR90SE-R-G1<1	1.56	16
34	KVW-IMPDLRG-3P-3,180(2)-3,CL-3,I89(6)-13AR90SE-R-G1<1	1.47	30
35	KVW-IMPDLRG-3P-3,272(2)-3,CL-3,I89(6)-13AR90SE-R-G1<1	1.45	23
36	KVW-IMPDLRG-3P-3,366(2)-3,CL-3,I89(6)-13AR90SE-R-G1<1	1.44	18
37	KVW-IMPDLRG-3P-3,180(2)-3,180(4)-3,I89(6)-13AR90SE-R-G1<1	1.31	32
38	KVW-IMPDLRG-3P-3,272(2)-3,180(4)-3,I89(6)-13AR90SE-R-G1<1	1.30	25
39	KVW-IMPDLRG-3P-3,366(2)-3,180(4)-3,I89(6)-13AR90SE-R-G1<1	1.29	21
40	KVW-IMPDLRG-3P-3,272(2)-19AR90SE-3,CL-G1<1	1.67	19
41	KVW-IMPDLRG-3P-3,180(2)-19AR90SE-3,I89(4)-G1<1	1.47	32
42	KVW-IMPDLRG-3P-3,272(2)-19AR90SE-3,I89(4)-G1<1	1.44	24
43	KVW-IMPDLRG-3P-3,366(2)-19AR90SE-3,I89(4)-G1<1	1.42	19
44	KVW-IMPDLRG-3P-3,180(2)-3,CL-3,CL-13AR90SE-G1<1	1.47	30
45	KVW-IMPDLRG-3P-3,272(2)-3,CL-3,CL-13AR90SE-G1<1	1.45	23
46	KVW-IMPDLRG-3P-3,366(2)-3,CL-3,CL-13AR90SE-G1<1	1.32	18
47	KVW-IMPDLRG-3P-3,180(2)-3,CL-3,I89(6)-13AR90SE-G1<1	1.32	20
48	KVW-IMPDLRG-3P-3,272(2)-3,CL-3,I89(6)-13AR90SE-G1<1	1.31	33
49	KVW-IMPDLRG-3P-3,366(2)-3,CL-3,I89(6)-13AR90SE-G1<1	1.18	29
50	KVW-IMPDLRG-3P-3,180(2)-3,180(4)-3,I89(6)-13AR90SE-G1<1	1.17	24
51	KVW-IMPDLRG-3P-3,272(2)-3,180(4)-3,I89(6)-13AR90SE-G1<1	1.16	35
52	KVW-IMPDLRG-3P-3,366(2)-3,180(4)-3,I89(6)-13AR90SE-G1<1	1.05	31
53	KVW-IMPDLRG-3P-3,272(2)-19AR90SE-3,CL-R-G2≥1	1.88	14
54	KVW-IMPDLRG-3P-3,180(2)-19AR90SE-3,I89(4)-R-G2≥1	1.68	27
55	KVW-IMPDLRG-3P-3,272(2)-19AR90SE-3,I89(4)-R-G2≥1	1.65	19
56	KVW-IMPDLRG-3P-3,366(2)-19AR90SE-3,I89(4)-R-G2≥1	1.63	15
57	KVW-IMPDLRG-3P-3,180(2)-3,CL-3,CL-13AR90SE-R-G2≥1	1.60	27
58	KVW-IMPDLRG-3P-3,272(2)-3,CL-3,CL-13AR90SE-R-G2≥1	1.58	20
59	KVW-IMPDLRG-3P-3,366(2)-3,CL-3,CL-13AR90SE-R-G2≥1	1.56	16
60	KVW-IMPDLRG-3P-3,180(2)-3,CL-3,I89(6)-13AR90SE-R-G2≥1	1.47	30
61	KVW-IMPDLRG-3P-3,272(2)-3,CL-3,I89(6)-13AR90SE-R-G2≥1	1.45	23
62	KVW-IMPDLRG-3P-3,366(2)-3,CL-3,I89(6)-13AR90SE-R-G2≥1	1.44	18
63	KVW-IMPDLRG-3P-3,180(2)-3,180(4)-3,I89(6)-13AR90SE-R-G2≥1	1.31	32
64	KVW-IMPDLRG-3P-3,272(2)-3,180(4)-3,I89(6)-13AR90SE-R-G2≥1	1.30	25
65	KVW-IMPDLRG-3P-3,366(2)-3,180(4)-3,I89(6)-13AR90SE-R-G2≥1	1.29	21
66	KVW-IMPDLRG-3P-3,272(2)-19AR90SE-3,CL-G2≥1	1.67	19
67	KVW-IMPDLRG-3P-3,180(2)-19AR90SE-3,I89(4)-G2≥1	1.47	32
68	KVW-IMPDLRG-3P-3,272(2)-19AR90SE-3,I89(4)-G2≥1	1.44	24
69	KVW-IMPDLRG-3P-3,366(2)-19AR90SE-3,I89(4)-G2≥1	1.42	19
70	KVW-IMPDLRG-3P-3,180(2)-3,CL-3,CL-13AR90SE-G2≥1	1.47	30



Glass Option #	Model Code	U-Value (W/m ² K)	Energy Rating
71	KVW-IMPDLRG-3P-3,272(2)-3,CL-3,CL-13AR90SE-G2≥1	1.51	21
72	KVW-IMPDLRG-3P-3,366(2)-3,CL-3,CL-13AR90SE-G2≥1	1.40	16
73	KVW-IMPDLRG-3P-3,180(2)-3,CL-3,I89(6)-13AR90SE-G2≥1	1.38	19
74	KVW-IMPDLRG-3P-3,272(2)-3,CL-3,I89(6)-13AR90SE-G2≥1	1.37	32
75	KVW-IMPDLRG-3P-3,366(2)-3,CL-3,I89(6)-13AR90SE-G2≥1	1.24	27
76	KVW-IMPDLRG-3P-3,180(2)-3,180(4)-3,I89(6)-13AR90SE-G2≥1	1.23	22
77	KVW-IMPDLRG-3P-3,272(2)-3,180(4)-3,I89(6)-13AR90SE-G2≥1	1.22	34
78	KVW-IMPDLRG-3P-3,366(2)-3,180(4)-3,I89(6)-13AR90SE-G2≥1	1.05	31
79	KVW-IMPDLRG-3P-3,272(2)-19AR90SE-3,CL-R-G3<1	1.88	14
80	KVW-IMPDLRG-3P-3,180(2)-19AR90SE-3,I89(4)-R-G3<1	1.68	27
81	KVW-IMPDLRG-3P-3,272(2)-19AR90SE-3,I89(4)-R-G3<1	1.65	19
82	KVW-IMPDLRG-3P-3,366(2)-19AR90SE-3,I89(4)-R-G3<1	1.63	15
83	KVW-IMPDLRG-3P-3,180(2)-3,CL-3,CL-13AR90SE-R-G3<1	1.63	18
84	KVW-IMPDLRG-3P-3,272(2)-3,CL-3,CL-13AR90SE-R-G3<1	1.62	13
85	KVW-IMPDLRG-3P-3,366(2)-3,CL-3,CL-13AR90SE-R-G3<1	1.60	25
86	KVW-IMPDLRG-3P-3,180(2)-3,CL-3,I89(6)-13AR90SE-R-G3<1	1.49	20
87	KVW-IMPDLRG-3P-3,272(2)-3,CL-3,I89(6)-13AR90SE-R-G3<1	1.48	16
88	KVW-IMPDLRG-3P-3,366(2)-3,CL-3,I89(6)-13AR90SE-R-G3<1	1.47	27
89	KVW-IMPDLRG-3P-3,180(2)-3,180(4)-3,I89(6)-13AR90SE-R-G3<1	1.33	24
90	KVW-IMPDLRG-3P-3,272(2)-3,180(4)-3,I89(6)-13AR90SE-R-G3<1	1.32	19
91	KVW-IMPDLRG-3P-3,366(2)-3,180(4)-3,I89(6)-13AR90SE-R-G3<1	1.31	29
92	KVW-IMPDLRG-3P-3,272(2)-19AR90SE-3,CL-G3<1	1.88	14
93	KVW-IMPDLRG-3P-3,180(2)-19AR90SE-3,I89(4)-G3<1	1.68	27
94	KVW-IMPDLRG-3P-3,272(2)-19AR90SE-3,I89(4)-G3<1	1.65	19
95	KVW-IMPDLRG-3P-3,366(2)-19AR90SE-3,I89(4)-G3<1	1.63	15
96	KVW-IMPDLRG-3P-3,180(2)-3,CL-3,CL-13AR90SE-G3<1	1.50	18
97	KVW-IMPDLRG-3P-3,272(2)-3,CL-3,CL-13AR90SE-G3<1	1.49	15
98	KVW-IMPDLRG-3P-3,366(2)-3,CL-3,CL-13AR90SE-G3<1	1.47	27
99	KVW-IMPDLRG-3P-3,180(2)-3,CL-3,I89(6)-13AR90SE-G3<1	1.36	23
100	KVW-IMPDLRG-3P-3,272(2)-3,CL-3,I89(6)-13AR90SE-G3<1	1.34	19
101	KVW-IMPDLRG-3P-3,366(2)-3,CL-3,I89(6)-13AR90SE-G3<1	1.33	30
102	KVW-IMPDLRG-3P-3,180(2)-3,180(4)-3,I89(6)-13AR90SE-G3<1	1.19	27
103	KVW-IMPDLRG-3P-3,272(2)-3,180(4)-3,I89(6)-13AR90SE-G3<1	1.19	22
104	KVW-IMPDLRG-3P-3,366(2)-3,180(4)-3,I89(6)-13AR90SE-G3<1	1.18	32
105	KVW-IMPDLRG-3P-3,272(2)-19AR90SE-3,CL-R-G4≥1	1.88	14
106	KVW-IMPDLRG-3P-3,180(2)-19AR90SE-3,I89(4)-R-G4≥1	1.68	27
107	KVW-IMPDLRG-3P-3,272(2)-19AR90SE-3,I89(4)-R-G4≥1	1.65	19
108	KVW-IMPDLRG-3P-3,366(2)-19AR90SE-3,I89(4)-R-G4≥1	1.63	15
109	KVW-IMPDLRG-3P-3,180(2)-3,CL-3,CL-13AR90SE-R-G4≥1	1.65	16



Glass Option #	Model Code	U-Value (W/m ² K)	Energy Rating
110	KVW-IMPDLRG-3P-3,272(2)-3,CL-3,CL-13AR90SE-R-G4≥1	1.63	11
111	KVW-IMPDLRG-3P-3,366(2)-3,CL-3,CL-13AR90SE-R-G4≥1	1.62	22
112	KVW-IMPDLRG-3P-3,180(2)-3,CL-3,I89(6)-13AR90SE-R-G4≥1	1.50	18
113	KVW-IMPDLRG-3P-3,272(2)-3,CL-3,I89(6)-13AR90SE-R-G4≥1	1.49	15
114	KVW-IMPDLRG-3P-3,366(2)-3,CL-3,I89(6)-13AR90SE-R-G4≥1	1.48	24
115	KVW-IMPDLRG-3P-3,180(2)-3,180(4)-3,I89(6)-13AR90SE-R-G4≥1	1.33	22
116	KVW-IMPDLRG-3P-3,272(2)-3,180(4)-3,I89(6)-13AR90SE-R-G4≥1	1.32	19
117	KVW-IMPDLRG-3P-3,366(2)-3,180(4)-3,I89(6)-13AR90SE-R-G4≥1	1.32	27
118	KVW-IMPDLRG-3P-3,272(2)-19AR90SE-3,CL-G4≥1	1.67	19
119	KVW-IMPDLRG-3P-3,180(2)-19AR90SE-3,I89(4)-G4≥1	1.47	32
120	KVW-IMPDLRG-3P-3,272(2)-19AR90SE-3,I89(4)-G4≥1	1.44	24
121	KVW-IMPDLRG-3P-3,366(2)-19AR90SE-3,I89(4)-G4≥1	1.42	19
122	KVW-IMPDLRG-3P-3,180(2)-3,CL-3,CL-13AR90SE-G4≥1	1.52	19
123	KVW-IMPDLRG-3P-3,272(2)-3,CL-3,CL-13AR90SE-G4≥1	1.50	14
124	KVW-IMPDLRG-3P-3,366(2)-3,CL-3,CL-13AR90SE-G4≥1	1.49	25
125	KVW-IMPDLRG-3P-3,180(2)-3,CL-3,I89(6)-13AR90SE-G4≥1	1.37	21
126	KVW-IMPDLRG-3P-3,272(2)-3,CL-3,I89(6)-13AR90SE-G4≥1	1.35	18
127	KVW-IMPDLRG-3P-3,366(2)-3,CL-3,I89(6)-13AR90SE-G4≥1	1.34	27
128	KVW-IMPDLRG-3P-3,180(2)-3,180(4)-3,I89(6)-13AR90SE-G4≥1	1.20	25
129	KVW-IMPDLRG-3P-3,272(2)-3,180(4)-3,I89(6)-13AR90SE-G4≥1	1.19	21
130	KVW-IMPDLRG-3P-3,366(2)-3,180(4)-3,I89(6)-13AR90SE-G4≥1	1.19	30
131	KVW-IMPDLRG-3P-3,272(2)-19AR90SE-3,CL-R-G5<1	1.88	14
132	KVW-IMPDLRG-3P-3,180(2)-19AR90SE-3,I89(4)-R-G5<1	1.68	27
133	KVW-IMPDLRG-3P-3,272(2)-19AR90SE-3,I89(4)-R-G5<1	1.65	19
134	KVW-IMPDLRG-3P-3,366(2)-19AR90SE-3,I89(4)-R-G5<1	1.63	15
135	KVW-IMPDLRG-3P-3,180(2)-3,CL-3,CL-13AR90SE-R-G5<1	1.60	27
136	KVW-IMPDLRG-3P-3,272(2)-3,CL-3,CL-13AR90SE-R-G5<1	1.58	20
137	KVW-IMPDLRG-3P-3,366(2)-3,CL-3,CL-13AR90SE-R-G5<1	1.56	16
138	KVW-IMPDLRG-3P-3,180(2)-3,CL-3,I89(6)-13AR90SE-R-G5<1	1.47	30
139	KVW-IMPDLRG-3P-3,272(2)-3,CL-3,I89(6)-13AR90SE-R-G5<1	1.45	23
140	KVW-IMPDLRG-3P-3,366(2)-3,CL-3,I89(6)-13AR90SE-R-G5<1	1.44	18
141	KVW-IMPDLRG-3P-3,180(2)-3,180(4)-3,I89(6)-13AR90SE-R-G5<1	1.31	32
142	KVW-IMPDLRG-3P-3,272(2)-3,180(4)-3,I89(6)-13AR90SE-R-G5<1	1.30	25
143	KVW-IMPDLRG-3P-3,366(2)-3,180(4)-3,I89(6)-13AR90SE-R-G5<1	1.29	21
144	KVW-IMPDLRG-3P-3,272(2)-19AR90SE-3,CL-G5<1	1.67	19
145	KVW-IMPDLRG-3P-3,180(2)-19AR90SE-3,I89(4)-G5<1	1.47	32
146	KVW-IMPDLRG-3P-3,272(2)-19AR90SE-3,I89(4)-G5<1	1.44	24
147	KVW-IMPDLRG-3P-3,366(2)-19AR90SE-3,I89(4)-G5<1	1.42	19
148	KVW-IMPDLRG-3P-3,180(2)-3,CL-3,CL-13AR90SE-G5<1	1.47	30



Glass Option #	Model Code	U-Value (W/m²K)	Energy Rating
149	KVW-IMPDLRG-3P-3,272(2)-3,CL-3,CL-13AR90SE-G5<1	1.45	23
150	KVW-IMPDLRG-3P-3,366(2)-3,CL-3,CL-13AR90SE-G5<1	1.32	18
151	KVW-IMPDLRG-3P-3,180(2)-3,CL-3,I89(6)-13AR90SE-G5<1	1.32	20
152	KVW-IMPDLRG-3P-3,272(2)-3,CL-3,I89(6)-13AR90SE-G5<1	1.31	33
153	KVW-IMPDLRG-3P-3,366(2)-3,CL-3,I89(6)-13AR90SE-G5<1	1.18	29
154	KVW-IMPDLRG-3P-3,180(2)-3,180(4)-3,I89(6)-13AR90SE-G5<1	1.17	24
155	KVW-IMPDLRG-3P-3,272(2)-3,180(4)-3,I89(6)-13AR90SE-G5<1	1.16	35
156	KVW-IMPDLRG-3P-3,366(2)-3,180(4)-3,I89(6)-13AR90SE-G5<1	1.05	31
157	KVW-IMPDLRG-3P-3,272(2)-19AR90SE-3,CL-R-G6<1	1.88	14
158	KVW-IMPDLRG-3P-3,180(2)-19AR90SE-3,I89(4)-R-G6<1	1.68	27
159	KVW-IMPDLRG-3P-3,272(2)-19AR90SE-3,I89(4)-R-G6<1	1.65	19
160	KVW-IMPDLRG-3P-3,366(2)-19AR90SE-3,I89(4)-R-G6<1	1.63	15
161	KVW-IMPDLRG-3P-3,180(2)-3,CL-3,CL-13AR90SE-R-G6<1	1.60	27
162	KVW-IMPDLRG-3P-3,272(2)-3,CL-3,CL-13AR90SE-R-G6<1	1.58	20
163	KVW-IMPDLRG-3P-3,366(2)-3,CL-3,CL-13AR90SE-R-G6<1	1.56	16
164	KVW-IMPDLRG-3P-3,180(2)-3,CL-3,I89(6)-13AR90SE-R-G6<1	1.47	30
165	KVW-IMPDLRG-3P-3,272(2)-3,CL-3,I89(6)-13AR90SE-R-G6<1	1.45	23
166	KVW-IMPDLRG-3P-3,366(2)-3,CL-3,I89(6)-13AR90SE-R-G6<1	1.44	18
167	KVW-IMPDLRG-3P-3,180(2)-3,180(4)-3,I89(6)-13AR90SE-R-G6<1	1.31	32
168	KVW-IMPDLRG-3P-3,272(2)-3,180(4)-3,I89(6)-13AR90SE-R-G6<1	1.30	25
169	KVW-IMPDLRG-3P-3,366(2)-3,180(4)-3,I89(6)-13AR90SE-R-G6<1	1.29	21
170	KVW-IMPDLRG-3P-3,272(2)-19AR90SE-3,CL-G6<1	1.67	19
171	KVW-IMPDLRG-3P-3,180(2)-19AR90SE-3,I89(4)-G6<1	1.47	32
172	KVW-IMPDLRG-3P-3,272(2)-19AR90SE-3,I89(4)-G6<1	1.44	24
173	KVW-IMPDLRG-3P-3,366(2)-19AR90SE-3,I89(4)-G6<1	1.42	19
174	KVW-IMPDLRG-3P-3,180(2)-3,CL-3,CL-13AR90SE-G6<1	1.47	30
175	KVW-IMPDLRG-3P-3,272(2)-3,CL-3,CL-13AR90SE-G6<1	1.45	23
176	KVW-IMPDLRG-3P-3,366(2)-3,CL-3,CL-13AR90SE-G6<1	1.32	18
177	KVW-IMPDLRG-3P-3,180(2)-3,CL-3,I89(6)-13AR90SE-G6<1	1.32	20
178	KVW-IMPDLRG-3P-3,272(2)-3,CL-3,I89(6)-13AR90SE-G6<1	1.31	33
179	KVW-IMPDLRG-3P-3,366(2)-3,CL-3,I89(6)-13AR90SE-G6<1	1.18	29
180	KVW-IMPDLRG-3P-3,180(2)-3,180(4)-3,I89(6)-13AR90SE-G6<1	1.17	24
181	KVW-IMPDLRG-3P-3,272(2)-3,180(4)-3,I89(6)-13AR90SE-G6<1	1.16	35
182	KVW-IMPDLRG-3P-3,366(2)-3,180(4)-3,I89(6)-13AR90SE-G6<1	1.05	31

Imperial Series Large Sash Patio Door (4 Panel)

Primary Designator	DP Positive	DP Negative	Water Penetration Pressure	Air Leakage (Canada)
Class R – PG35: Size tested 4820 x 2019 mm (~190 x 80 in) – Sliding Door (Type SD)	1680 Pa (35 psf)	-1680 Pa (-35 psf)	290 Pa (6.06 psf)	A3 Level

Glass Option #	Model Code	U-Value (W/m ² K)	Energy Rating
1	KVW-IMPSDLRG-4P-3,272(2)-19AR90SE-3,CL-R	1.88	14
2	KVW-IMPSDLRG-4P-3,180(2)-19AR90SE-3,I89(4)-R	1.68	27
3	KVW-IMPSDLRG-4P-3,272(2)-19AR90SE-3,I89(4)-R	1.65	19
4	KVW-IMPSDLRG-4P-3,366(2)-19AR90SE-3,I89(4)-R	1.63	14
5	KVW-IMPSDLRG-4P-3,180(2)-3,CL-3,CL-13AR90SE-R	1.60	27
6	KVW-IMPSDLRG-4P-3,272(2)-3,CL-3,CL-13AR90SE-R	1.58	20
7	KVW-IMPSDLRG-4P-3,366(2)-3,CL-3,CL-13AR90SE-R	1.56	15
8	KVW-IMPSDLRG-4P-3,180(2)-3,CL-3,I89(6)-13AR90SE-R	1.47	30
9	KVW-IMPSDLRG-4P-3,272(2)-3,CL-3,I89(6)-13AR90SE-R	1.45	22
10	KVW-IMPSDLRG-4P-3,366(2)-3,CL-3,I89(6)-13AR90SE-R	1.44	17
11	KVW-IMPSDLRG-4P-3,180(2)-3,180(4)-3,I89(6)-13AR90SE-R	1.31	32
12	KVW-IMPSDLRG-4P-3,272(2)-3,180(4)-3,I89(6)-13AR90SE-R	1.30	25
13	KVW-IMPSDLRG-4P-3,366(2)-3,180(4)-3,I89(6)-13AR90SE-R	1.29	21
14	KVW-IMPSDLRG-4P-3,272(2)-19AR90SE-3,CL	1.67	19
15	KVW-IMPSDLRG-4P-3,180(2)-19AR90SE-3,I89(4)	1.47	32
16	KVW-IMPSDLRG-4P-3,272(2)-19AR90SE-3,I89(4)	1.44	24
17	KVW-IMPSDLRG-4P-3,366(2)-19AR90SE-3,I89(4)	1.42	19
18	KVW-IMPSDLRG-4P-3,180(2)-3,CL-3,CL-13AR90SE	1.47	30
19	KVW-IMPSDLRG-4P-3,272(2)-3,CL-3,CL-13AR90SE	1.45	22
20	KVW-IMPSDLRG-4P-3,366(2)-3,CL-3,CL-13AR90SE	1.43	19
21	KVW-IMPSDLRG-4P-3,180(2)-3,CL-3,I89(6)-13AR90SE	1.34	20
22	KVW-IMPSDLRG-4P-3,272(2)-3,CL-3,I89(6)-13AR90SE	1.32	20
23	KVW-IMPSDLRG-4P-3,366(2)-3,CL-3,I89(6)-13AR90SE	1.31	33
24	KVW-IMPSDLRG-4P-3,180(2)-3,180(4)-3,I89(6)-13AR90SE	1.18	28
25	KVW-IMPSDLRG-4P-3,272(2)-3,180(4)-3,I89(6)-13AR90SE	1.17	23
26	KVW-IMPSDLRG-4P-3,366(2)-3,180(4)-3,I89(6)-13AR90SE	1.16	35
27	KVW-IMPSDLRG-4P-3,272(2)-19AR90SE-3,CL-R-G1<1	1.88	14
28	KVW-IMPSDLRG-4P-3,180(2)-19AR90SE-3,I89(4)-R-G1<1	1.68	27
29	KVW-IMPSDLRG-4P-3,272(2)-19AR90SE-3,I89(4)-R-G1<1	1.65	19
30	KVW-IMPSDLRG-4P-3,366(2)-19AR90SE-3,I89(4)-R-G1<1	1.63	14
31	KVW-IMPSDLRG-4P-3,180(2)-3,CL-3,CL-13AR90SE-R-G1<1	1.60	27



Glass Option #	Model Code	U-Value (W/m ² K)	Energy Rating
32	KVW-IMPDLRG-4P-3,272(2)-3,CL-3,CL-13AR90SE-R-G1<1	1.58	20
33	KVW-IMPDLRG-4P-3,366(2)-3,CL-3,CL-13AR90SE-R-G1<1	1.56	15
34	KVW-IMPDLRG-4P-3,180(2)-3,CL-3,I89(6)-13AR90SE-R-G1<1	1.47	30
35	KVW-IMPDLRG-4P-3,272(2)-3,CL-3,I89(6)-13AR90SE-R-G1<1	1.45	22
36	KVW-IMPDLRG-4P-3,366(2)-3,CL-3,I89(6)-13AR90SE-R-G1<1	1.44	17
37	KVW-IMPDLRG-4P-3,180(2)-3,180(4)-3,I89(6)-13AR90SE-R-G1<1	1.31	32
38	KVW-IMPDLRG-4P-3,272(2)-3,180(4)-3,I89(6)-13AR90SE-R-G1<1	1.30	25
39	KVW-IMPDLRG-4P-3,366(2)-3,180(4)-3,I89(6)-13AR90SE-R-G1<1	1.29	21
40	KVW-IMPDLRG-4P-3,272(2)-19AR90SE-3,CL-G1<1	1.67	19
41	KVW-IMPDLRG-4P-3,180(2)-19AR90SE-3,I89(4)-G1<1	1.47	32
42	KVW-IMPDLRG-4P-3,272(2)-19AR90SE-3,I89(4)-G1<1	1.44	24
43	KVW-IMPDLRG-4P-3,366(2)-19AR90SE-3,I89(4)-G1<1	1.42	19
44	KVW-IMPDLRG-4P-3,180(2)-3,CL-3,CL-13AR90SE-G1<1	1.47	30
45	KVW-IMPDLRG-4P-3,272(2)-3,CL-3,CL-13AR90SE-G1<1	1.45	22
46	KVW-IMPDLRG-4P-3,366(2)-3,CL-3,CL-13AR90SE-G1<1	1.32	18
47	KVW-IMPDLRG-4P-3,180(2)-3,CL-3,I89(6)-13AR90SE-G1<1	1.32	20
48	KVW-IMPDLRG-4P-3,272(2)-3,CL-3,I89(6)-13AR90SE-G1<1	1.31	33
49	KVW-IMPDLRG-4P-3,366(2)-3,CL-3,I89(6)-13AR90SE-G1<1	1.18	28
50	KVW-IMPDLRG-4P-3,180(2)-3,180(4)-3,I89(6)-13AR90SE-G1<1	1.17	23
51	KVW-IMPDLRG-4P-3,272(2)-3,180(4)-3,I89(6)-13AR90SE-G1<1	1.16	35
52	KVW-IMPDLRG-4P-3,366(2)-3,180(4)-3,I89(6)-13AR90SE-G1<1	1.05	31
53	KVW-IMPDLRG-4P-3,272(2)-19AR90SE-3,CL-R-G2≥1	1.88	14
54	KVW-IMPDLRG-4P-3,180(2)-19AR90SE-3,I89(4)-R-G2≥1	1.68	27
55	KVW-IMPDLRG-4P-3,272(2)-19AR90SE-3,I89(4)-R-G2≥1	1.65	19
56	KVW-IMPDLRG-4P-3,366(2)-19AR90SE-3,I89(4)-R-G2≥1	1.63	14
57	KVW-IMPDLRG-4P-3,180(2)-3,CL-3,CL-13AR90SE-R-G2≥1	1.60	27
58	KVW-IMPDLRG-4P-3,272(2)-3,CL-3,CL-13AR90SE-R-G2≥1	1.58	20
59	KVW-IMPDLRG-4P-3,366(2)-3,CL-3,CL-13AR90SE-R-G2≥1	1.56	15
60	KVW-IMPDLRG-4P-3,180(2)-3,CL-3,I89(6)-13AR90SE-R-G2≥1	1.47	30
61	KVW-IMPDLRG-4P-3,272(2)-3,CL-3,I89(6)-13AR90SE-R-G2≥1	1.45	22
62	KVW-IMPDLRG-4P-3,366(2)-3,CL-3,I89(6)-13AR90SE-R-G2≥1	1.44	17
63	KVW-IMPDLRG-4P-3,180(2)-3,180(4)-3,I89(6)-13AR90SE-R-G2≥1	1.31	32
64	KVW-IMPDLRG-4P-3,272(2)-3,180(4)-3,I89(6)-13AR90SE-R-G2≥1	1.30	25
65	KVW-IMPDLRG-4P-3,366(2)-3,180(4)-3,I89(6)-13AR90SE-R-G2≥1	1.29	21
66	KVW-IMPDLRG-4P-3,272(2)-19AR90SE-3,CL-G2≥1	1.67	19
67	KVW-IMPDLRG-4P-3,180(2)-19AR90SE-3,I89(4)-G2≥1	1.47	32
68	KVW-IMPDLRG-4P-3,272(2)-19AR90SE-3,I89(4)-G2≥1	1.44	24
69	KVW-IMPDLRG-4P-3,366(2)-19AR90SE-3,I89(4)-G2≥1	1.42	19
70	KVW-IMPDLRG-4P-3,180(2)-3,CL-3,CL-13AR90SE-G2≥1	1.47	30



Glass Option #	Model Code	U-Value (W/m ² K)	Energy Rating
71	KVW-IMPDLRG-4P-3,272(2)-3,CL-3,CL-13AR90SE-G2≥1	1.51	21
72	KVW-IMPDLRG-4P-3,366(2)-3,CL-3,CL-13AR90SE-G2≥1	1.40	16
73	KVW-IMPDLRG-4P-3,180(2)-3,CL-3,I89(6)-13AR90SE-G2≥1	1.38	19
74	KVW-IMPDLRG-4P-3,272(2)-3,CL-3,I89(6)-13AR90SE-G2≥1	1.37	32
75	KVW-IMPDLRG-4P-3,366(2)-3,CL-3,I89(6)-13AR90SE-G2≥1	1.24	27
76	KVW-IMPDLRG-4P-3,180(2)-3,180(4)-3,I89(6)-13AR90SE-G2≥1	1.23	22
77	KVW-IMPDLRG-4P-3,272(2)-3,180(4)-3,I89(6)-13AR90SE-G2≥1	1.22	34
78	KVW-IMPDLRG-4P-3,366(2)-3,180(4)-3,I89(6)-13AR90SE-G2≥1	1.05	31
79	KVW-IMPDLRG-4P-3,272(2)-19AR90SE-3,CL-R-G3<1	1.88	14
80	KVW-IMPDLRG-4P-3,180(2)-19AR90SE-3,I89(4)-R-G3<1	1.68	27
81	KVW-IMPDLRG-4P-3,272(2)-19AR90SE-3,I89(4)-R-G3<1	1.65	19
82	KVW-IMPDLRG-4P-3,366(2)-19AR90SE-3,I89(4)-R-G3<1	1.63	14
83	KVW-IMPDLRG-4P-3,180(2)-3,CL-3,CL-13AR90SE-R-G3<1	1.63	18
84	KVW-IMPDLRG-4P-3,272(2)-3,CL-3,CL-13AR90SE-R-G3<1	1.62	12
85	KVW-IMPDLRG-4P-3,366(2)-3,CL-3,CL-13AR90SE-R-G3<1	1.60	24
86	KVW-IMPDLRG-4P-3,180(2)-3,CL-3,I89(6)-13AR90SE-R-G3<1	1.49	20
87	KVW-IMPDLRG-4P-3,272(2)-3,CL-3,I89(6)-13AR90SE-R-G3<1	1.48	16
88	KVW-IMPDLRG-4P-3,366(2)-3,CL-3,I89(6)-13AR90SE-R-G3<1	1.47	27
89	KVW-IMPDLRG-4P-3,180(2)-3,180(4)-3,I89(6)-13AR90SE-R-G3<1	1.33	23
90	KVW-IMPDLRG-4P-3,272(2)-3,180(4)-3,I89(6)-13AR90SE-R-G3<1	1.32	19
91	KVW-IMPDLRG-4P-3,366(2)-3,180(4)-3,I89(6)-13AR90SE-R-G3<1	1.31	29
92	KVW-IMPDLRG-4P-3,272(2)-19AR90SE-3,CL-G3<1	1.88	14
93	KVW-IMPDLRG-4P-3,180(2)-19AR90SE-3,I89(4)-G3<1	1.68	27
94	KVW-IMPDLRG-4P-3,272(2)-19AR90SE-3,I89(4)-G3<1	1.65	19
95	KVW-IMPDLRG-4P-3,366(2)-19AR90SE-3,I89(4)-G3<1	1.63	14
96	KVW-IMPDLRG-4P-3,180(2)-3,CL-3,CL-13AR90SE-G3<1	1.50	17
97	KVW-IMPDLRG-4P-3,272(2)-3,CL-3,CL-13AR90SE-G3<1	1.49	15
98	KVW-IMPDLRG-4P-3,366(2)-3,CL-3,CL-13AR90SE-G3<1	1.47	27
99	KVW-IMPDLRG-4P-3,180(2)-3,CL-3,I89(6)-13AR90SE-G3<1	1.36	23
100	KVW-IMPDLRG-4P-3,272(2)-3,CL-3,I89(6)-13AR90SE-G3<1	1.34	19
101	KVW-IMPDLRG-4P-3,366(2)-3,CL-3,I89(6)-13AR90SE-G3<1	1.33	30
102	KVW-IMPDLRG-4P-3,180(2)-3,180(4)-3,I89(6)-13AR90SE-G3<1	1.19	26
103	KVW-IMPDLRG-4P-3,272(2)-3,180(4)-3,I89(6)-13AR90SE-G3<1	1.19	22
104	KVW-IMPDLRG-4P-3,366(2)-3,180(4)-3,I89(6)-13AR90SE-G3<1	1.18	32
105	KVW-IMPDLRG-4P-3,272(2)-19AR90SE-3,CL-R-G4≥1	1.88	14
106	KVW-IMPDLRG-4P-3,180(2)-19AR90SE-3,I89(4)-R-G4≥1	1.68	27
107	KVW-IMPDLRG-4P-3,272(2)-19AR90SE-3,I89(4)-R-G4≥1	1.65	19
108	KVW-IMPDLRG-4P-3,366(2)-19AR90SE-3,I89(4)-R-G4≥1	1.63	14
109	KVW-IMPDLRG-4P-3,180(2)-3,CL-3,CL-13AR90SE-R-G4≥1	1.65	16



Glass Option #	Model Code	U-Value (W/m ² K)	Energy Rating
110	KVW-IMPDLRG-4P-3,272(2)-3,CL-3,CL-13AR90SE-R-G4≥1	1.63	11
111	KVW-IMPDLRG-4P-3,366(2)-3,CL-3,CL-13AR90SE-R-G4≥1	1.62	22
112	KVW-IMPDLRG-4P-3,180(2)-3,CL-3,I89(6)-13AR90SE-R-G4≥1	1.50	18
113	KVW-IMPDLRG-4P-3,272(2)-3,CL-3,I89(6)-13AR90SE-R-G4≥1	1.49	15
114	KVW-IMPDLRG-4P-3,366(2)-3,CL-3,I89(6)-13AR90SE-R-G4≥1	1.48	24
115	KVW-IMPDLRG-4P-3,180(2)-3,180(4)-3,I89(6)-13AR90SE-R-G4≥1	1.33	22
116	KVW-IMPDLRG-4P-3,272(2)-3,180(4)-3,I89(6)-13AR90SE-R-G4≥1	1.32	18
117	KVW-IMPDLRG-4P-3,366(2)-3,180(4)-3,I89(6)-13AR90SE-R-G4≥1	1.32	26
118	KVW-IMPDLRG-4P-3,272(2)-19AR90SE-3,CL-G4≥1	1.67	19
119	KVW-IMPDLRG-4P-3,180(2)-19AR90SE-3,I89(4)-G4≥1	1.47	32
120	KVW-IMPDLRG-4P-3,272(2)-19AR90SE-3,I89(4)-G4≥1	1.44	24
121	KVW-IMPDLRG-4P-3,366(2)-19AR90SE-3,I89(4)-G4≥1	1.42	19
122	KVW-IMPDLRG-4P-3,180(2)-3,CL-3,CL-13AR90SE-G4≥1	1.52	19
123	KVW-IMPDLRG-4P-3,272(2)-3,CL-3,CL-13AR90SE-G4≥1	1.50	14
124	KVW-IMPDLRG-4P-3,366(2)-3,CL-3,CL-13AR90SE-G4≥1	1.49	24
125	KVW-IMPDLRG-4P-3,180(2)-3,CL-3,I89(6)-13AR90SE-G4≥1	1.37	21
126	KVW-IMPDLRG-4P-3,272(2)-3,CL-3,I89(6)-13AR90SE-G4≥1	1.35	18
127	KVW-IMPDLRG-4P-3,366(2)-3,CL-3,I89(6)-13AR90SE-G4≥1	1.34	27
128	KVW-IMPDLRG-4P-3,180(2)-3,180(4)-3,I89(6)-13AR90SE-G4≥1	1.20	24
129	KVW-IMPDLRG-4P-3,272(2)-3,180(4)-3,I89(6)-13AR90SE-G4≥1	1.19	21
130	KVW-IMPDLRG-4P-3,366(2)-3,180(4)-3,I89(6)-13AR90SE-G4≥1	1.19	29
131	KVW-IMPDLRG-4P-3,272(2)-19AR90SE-3,CL-R-G5<1	1.88	14
132	KVW-IMPDLRG-4P-3,180(2)-19AR90SE-3,I89(4)-R-G5<1	1.68	27
133	KVW-IMPDLRG-4P-3,272(2)-19AR90SE-3,I89(4)-R-G5<1	1.65	19
134	KVW-IMPDLRG-4P-3,366(2)-19AR90SE-3,I89(4)-R-G5<1	1.63	14
135	KVW-IMPDLRG-4P-3,180(2)-3,CL-3,CL-13AR90SE-R-G5<1	1.60	27
136	KVW-IMPDLRG-4P-3,272(2)-3,CL-3,CL-13AR90SE-R-G5<1	1.58	20
137	KVW-IMPDLRG-4P-3,366(2)-3,CL-3,CL-13AR90SE-R-G5<1	1.56	15
138	KVW-IMPDLRG-4P-3,180(2)-3,CL-3,I89(6)-13AR90SE-R-G5<1	1.47	30
139	KVW-IMPDLRG-4P-3,272(2)-3,CL-3,I89(6)-13AR90SE-R-G5<1	1.45	22
140	KVW-IMPDLRG-4P-3,366(2)-3,CL-3,I89(6)-13AR90SE-R-G5<1	1.44	17
141	KVW-IMPDLRG-4P-3,180(2)-3,180(4)-3,I89(6)-13AR90SE-R-G5<1	1.31	32
142	KVW-IMPDLRG-4P-3,272(2)-3,180(4)-3,I89(6)-13AR90SE-R-G5<1	1.30	25
143	KVW-IMPDLRG-4P-3,366(2)-3,180(4)-3,I89(6)-13AR90SE-R-G5<1	1.29	21
144	KVW-IMPDLRG-4P-3,272(2)-19AR90SE-3,CL-G5<1	1.67	19
145	KVW-IMPDLRG-4P-3,180(2)-19AR90SE-3,I89(4)-G5<1	1.47	32
146	KVW-IMPDLRG-4P-3,272(2)-19AR90SE-3,I89(4)-G5<1	1.44	24
147	KVW-IMPDLRG-4P-3,366(2)-19AR90SE-3,I89(4)-G5<1	1.42	19
148	KVW-IMPDLRG-4P-3,180(2)-3,CL-3,CL-13AR90SE-G5<1	1.47	30



Glass Option #	Model Code	U-Value (W/m ² K)	Energy Rating
149	KVW-IMPDLRG-4P-3,272(2)-3,CL-3,CL-13AR90SE-G5<1	1.45	22
150	KVW-IMPDLRG-4P-3,366(2)-3,CL-3,CL-13AR90SE-G5<1	1.32	18
151	KVW-IMPDLRG-4P-3,180(2)-3,CL-3,I89(6)-13AR90SE-G5<1	1.32	20
152	KVW-IMPDLRG-4P-3,272(2)-3,CL-3,I89(6)-13AR90SE-G5<1	1.31	33
153	KVW-IMPDLRG-4P-3,366(2)-3,CL-3,I89(6)-13AR90SE-G5<1	1.18	28
154	KVW-IMPDLRG-4P-3,180(2)-3,180(4)-3,I89(6)-13AR90SE-G5<1	1.17	23
155	KVW-IMPDLRG-4P-3,272(2)-3,180(4)-3,I89(6)-13AR90SE-G5<1	1.16	35
156	KVW-IMPDLRG-4P-3,366(2)-3,180(4)-3,I89(6)-13AR90SE-G5<1	1.05	31
157	KVW-IMPDLRG-4P-3,272(2)-19AR90SE-3,CL-R-G6<1	1.88	14
158	KVW-IMPDLRG-4P-3,180(2)-19AR90SE-3,I89(4)-R-G6<1	1.68	27
159	KVW-IMPDLRG-4P-3,272(2)-19AR90SE-3,I89(4)-R-G6<1	1.65	19
160	KVW-IMPDLRG-4P-3,366(2)-19AR90SE-3,I89(4)-R-G6<1	1.63	14
161	KVW-IMPDLRG-4P-3,180(2)-3,CL-3,CL-13AR90SE-R-G6<1	1.60	27
162	KVW-IMPDLRG-4P-3,272(2)-3,CL-3,CL-13AR90SE-R-G6<1	1.58	20
163	KVW-IMPDLRG-4P-3,366(2)-3,CL-3,CL-13AR90SE-R-G6<1	1.56	15
164	KVW-IMPDLRG-4P-3,180(2)-3,CL-3,I89(6)-13AR90SE-R-G6<1	1.47	30
165	KVW-IMPDLRG-4P-3,272(2)-3,CL-3,I89(6)-13AR90SE-R-G6<1	1.45	22
166	KVW-IMPDLRG-4P-3,366(2)-3,CL-3,I89(6)-13AR90SE-R-G6<1	1.44	17
167	KVW-IMPDLRG-4P-3,180(2)-3,180(4)-3,I89(6)-13AR90SE-R-G6<1	1.31	32
168	KVW-IMPDLRG-4P-3,272(2)-3,180(4)-3,I89(6)-13AR90SE-R-G6<1	1.30	25
169	KVW-IMPDLRG-4P-3,366(2)-3,180(4)-3,I89(6)-13AR90SE-R-G6<1	1.29	21
170	KVW-IMPDLRG-4P-3,272(2)-19AR90SE-3,CL-G6<1	1.67	19
171	KVW-IMPDLRG-4P-3,180(2)-19AR90SE-3,I89(4)-G6<1	1.47	32
172	KVW-IMPDLRG-4P-3,272(2)-19AR90SE-3,I89(4)-G6<1	1.44	24
173	KVW-IMPDLRG-4P-3,366(2)-19AR90SE-3,I89(4)-G6<1	1.42	19
174	KVW-IMPDLRG-4P-3,180(2)-3,CL-3,CL-13AR90SE-G6<1	1.47	30
175	KVW-IMPDLRG-4P-3,272(2)-3,CL-3,CL-13AR90SE-G6<1	1.45	22
176	KVW-IMPDLRG-4P-3,366(2)-3,CL-3,CL-13AR90SE-G6<1	1.32	18
177	KVW-IMPDLRG-4P-3,180(2)-3,CL-3,I89(6)-13AR90SE-G6<1	1.32	20
178	KVW-IMPDLRG-4P-3,272(2)-3,CL-3,I89(6)-13AR90SE-G6<1	1.31	33
179	KVW-IMPDLRG-4P-3,366(2)-3,CL-3,I89(6)-13AR90SE-G6<1	1.18	28
180	KVW-IMPDLRG-4P-3,180(2)-3,180(4)-3,I89(6)-13AR90SE-G6<1	1.17	23
181	KVW-IMPDLRG-4P-3,272(2)-3,180(4)-3,I89(6)-13AR90SE-G6<1	1.16	35
182	KVW-IMPDLRG-4P-3,366(2)-3,180(4)-3,I89(6)-13AR90SE-G6<1	1.05	31

Notes: 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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