

WINDOWS LISTING PROGRAM

Customer: Ostaco 2000 Windoors Inc.
Class: Windows and Doors – Energy Performance
Location: Concord, ON
Website: www.ostaco.com

Listing No. W550
Project No. W550-1 Edition 3

Effective Date: July 21, 2017
Last Revised Date: May 17, 2018

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

Product: Vinyl Windows

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

- a) Manufacturer's name or trademark
- b) QAI logo with 'c' identifier
- c) QAI file Number: W550-1
- d) The wording "Evaluated for energy performance in accordance with CSA A440.2"
- e) The wording "Évalué pour la performance d'énergie en accord à la norme CSA A440.2"



Models / CORE Series Vinyl Awning Window
 Ratings:

Glass Option	Model Code	Window U-Value (W/m ² K)	Energy Rating (ER)
1	OST-C-VAW-AWN-3,CL-16,Ar-3,180(3)	1.54	31
2	OST-C-VAW-AWN-3,CL-16,Ar-3,180(3)-Dividers<1"	1.54	29
3	OST-C-VAW-AWN-3,272(2)-16,Ar-3,CL	1.50	22
4	OST-C-VAW-AWN-3,272(2)-16,Ar-3,CL-Dividers<1"	1.50	21
5	OST-C-VAW-AWN-3,366(2)-16,Ar-3,CL	1.47	17
6	OST-C-VAW-AWN-3,366(2)-16,Ar-3,CL-Dividers<1"	1.47	17
7	OST-C-VAW-AWN-3,180(2)-16,Ar-3,i89(4)	1.35	33
8	OST-C-VAW-AWN-3,180(2)-16,Ar-3,i89(4)-Dividers<1"	1.35	31
9	OST-C-VAW-AWN-3,272(2)-16,Ar-3,i89(4)	1.32	26
10	OST-C-VAW-AWN-3,272(2)-16,Ar-3,i89(4)-Dividers<1"	1.32	24
11	OST-C-VAW-AWN-3,366(2)-16,Ar-3,i89(4)	1.30	21
12	OST-C-VAW-AWN-3,366(2)-16,Ar-3,i89(4)-Dividers<1"	1.30	20
13	OST-C-VAW-AWN-3,272(2)-13AR90-3,CL-13AR90-3,180(5)-R	1.01	32
14	OST-C-VAW-AWN-3,272(2)-13AR90-3,CL-13AR90-3,180(5)R-DIV<1	1.01	30
15	OST-C-VAW-AWN-3,366(2)-13AR90-3,CL-13AR90-3,180(5)-R	1.00	27
16	OST-C-VAW-AWN-3,366(2)-13AR90-3,CL-13AR90-3,180(5)R-DIV<1	1.00	26
17	OST-C-VAW-AWN-3,272(2)-13AR90-3,CL-13AR90-3,CL-R	1.23	27
18	OST-C-VAW-AWN-3,272(2)-13AR90-3,CL-13AR90-3,CL-R-DIV<1	1.23	26
19	OST-C-VAW-AWN-3,180(2)-13AR90-3,CL-13AR90-3,180(5)-R	1.02	38
20	OST-C-VAW-AWN-3,180(2)-13AR90-3,CL-13AR90-3,180(5)-R-DIV<1	1.02	37
21	OST-C-VAW-AWN-3,272(2)-13AR90-3,CL-13AR90-3,272(5)-R	0.99	31
22	OST-C-VAW-AWN-3,272(2)-13AR90-3,CL-13,AR90-3,272(5)R-DIV<1	0.99	30
23	OST-C-VAW-AWN-3,366(2)-13AR90-3,366(4)-13AR90-3,i89-R	0.91	27
24	OST-C-VAW-AWN-3,366(2)-13AR90-3,366(4)-13AR90-3,i89R-DIV<1	0.91	27
25	OST-C-VAW-AWN-3,180(2)-13AR90-3,180(4)-13AR90-3,i89-R	0.95	39
26	OST-C-VAW-AWN-3,180(2)-13AR90R-3,180(4)-13AR90-3,i89R-DIV<1	0.95	37
27	OST-C-VAW-AWN-3,272(2)-13AR90-3,180(4)-13AR90-3,i89-R	0.94	32
28	OST-C-VAW-AWN-3,272(2)-13AR90-3,180(4)-13AR90-3,i89R-DIV<1	0.94	31



CORE Series Vinyl Casement Window

Glass Option	Model Code	Window U-Value (W/m ² K)	Energy Rating (ER)
1	OST-C-VCW-CAS-3,CL-16,Ar-3,180(3)	1.52	32
2	OST-C-VCW-CAS-3,CL-16,Ar-3,180(3)-Dividers<1"	1.52	30
3	OST-C-VCW-CAS-3,272(2)-16,Ar-3,CL	1.49	23
4	OST-C-VCW-CAS-3,272(2)-16,Ar-3,CL-Dividers<1"	1.49	21
5	OST-C-VCW-CAS-3,366(2)-16,Ar-3,CL	1.46	18
6	OST-C-VCW-CAS-3,366(2)-16,Ar-3,CL-Dividers<1"	1.46	17
7	OST-C-VCW-CAS-3,180(2)-16,Ar-3,i89(4)	1.31	35
8	OST-C-VCW-CAS-3,180(2)-16,Ar-3,i89(4)-Dividers<1"	1.31	32
9	OST-C-VCW-CAS-3,272(2)-16,Ar-3,i89(4)	1.29	27
10	OST-C-VCW-CAS-3,272(2)-16,Ar-3,i89(4)-Dividers<1"	1.29	25
11	OST-C-VCW-CAS-3,366(2)-16,Ar-3,i89(4)	1.27	22
12	OST-C-VCW-CAS-3,366(2)-16,Ar-3,i89(4)-Dividers<1"	1.27	21
13	OST-C-VCW-CAS-3,272(2)-13AR90-3,CL-13AR90-3,180(5)-R	1.00	32
14	OST-C-VCW-CAS-3,272(2)-13AR90-3,CL-13AR90-3,180(5)R-DIV<1"	1.00	31
15	OST-C-VCW-CAS-3,366(2)-13AR90-3,CL-13AR90-3,180(5)-R	0.99	27
16	OST-C-VCW-CAS-3,366(2)-13AR90-3,CL-13AR90-3,180(5)R-DIV<1	0.99	27
17	OST-C-VCW-CAS-3,272(2)-13AR90-3,CL-13AR90-3,CL-R	1.22	27
18	OST-C-VCW-CAS-3,272(2)-13AR90-3,CL-13AR90-3,CL-R-DIV<1	1.22	26
19	OST-C-VCW-CAS-3,180(2)-13AR90-3,CL-13AR90-3,180(5)-R	1.01	39
20	OST-C-VCW-CAS-3,180(2)-13AR90-3,CL-13AR90-3,180(5)R-DIV<1	1.01	37
21	OST-C-VCW-CAS-3,272(2)-13AR90-3,CL-13AR90-3,272(5)-R	0.98	31
22	OST-C-VCW-CAS-3,272(2)-13AR90-3,CL-13AR90-3,272(5)R-DIV<1	0.98	30
23	OST-C-VCW-CAS-3,366(2)-13AR90-3,366(4)-13AR90-3,i89R	0.90	28
24	OST-C-VCW-CAS-3,366(2)-13AR90-3,366(4)-13AR90-3,i89R-DIV<1	0.90	27
25	OST-C-VCW-CAS-3,180(2)-13AR90-3,180(4)-13AR90-3,i89R	0.94	39
26	OST-C-VCW-CAS-3,180(2)-13AR90-3,180(4)-13AR90-3,i89R-DIV<1	0.94	38
27	OST-C-VCW-CAS-3,272(2)-13AR90-3,180(4)-13AR90-3,i89-R	0.93	33
28	OST-C-VCW-CAS-3,272(2)-13AR90-3,180(4)-13AR90-3,i89R-DIV<1	0.93	32
29	OST-C-VCW-CAS-3,180(2)-16AR97-3,i89(4)-F	1.26	36
30	OST-C-VCW-CAS-3,180(2)-16AR97-3,i89(4)-F-DIV<1	1.26	34



CORE Series Vinyl Fixed Casement Window

Glass Option	Model Code	Window U-Value (W/m ² K)	Energy Rating (ER)
1	OST-C-VFCW-FC-3,CL-16,Ar-3,180(3)	1.52	37
2	OST-C-VFCW-FC-3,CL-16,Ar-3,180(3)-Dividers<1"	1.52	34
3	OST-C-VFCW-FC-3,272(2)-16,Ar-3,CL	1.47	26
4	OST-C-VFCW-FC-3,272(2)-16,Ar-3,CL-Dividers<1"	1.47	25
5	OST-C-VFCW-FC-3,366(2)-16,Ar-3,CL	1.44	21
6	OST-C-VFCW-FC-3,366(2)-16,Ar-3,CL-Dividers<1"	1.44	19
7	OST-C-VFCW-FC-3,180(2)-16,Ar-3,i89(4)	1.26	41
8	OST-C-VFCW-FC-3,180(2)-16,Ar-3,i89(4)-Dividers<1"	1.26	38
9	OST-C-VFCW-FC-3,272(2)-16,Ar-3,i89(4)	1.23	32
10	OST-C-VFCW-FC-3,272(2)-16,Ar-3,i89(4)-Dividers<1"	1.23	29
11	OST-C-VFCW-FC-3,366(2)-16,Ar-3,i89(4)	1.21	26
12	OST-C-VFCW-FC-3,366(2)-16,Ar-3,i89(4)-Dividers<1"	1.21	24
13	OST-C-VFCW-FC-3,272(2)-13AR90-3,CL-13AR90-3,180(5)	0.88	37
14	OST-C-VFCW-FC-3,272(2)-13AR90-3,CL-13AR90-3,180(5)-DIV<1	0.88	36
15	OST-C-VFCW-FC-3,366(2)-13AR90-3,CL-13AR90-3,180(5)	0.87	32
16	OST-C-VFCW-FC-3,366(2)-13AR90-3,CL-13AR90-3,180(5)-DIV<1	0.87	31
17	OST-C-VFCW-FC-3,272(2)-13AR90-3,CL-13AR90-3,CL	1.14	32
18	OST-C-VFCW-FC-3,272(2)-13AR90-3,CL-13AR90-3,CL-DIV<1	1.14	31
19	OST-C-VFCW-FC-3,180(2)-13AR90-3,CL-13AR90-3,180(5)	0.90	46
20	OST-C-VFCW-FC-3,180(2)-13AR90-3,CL-13AR90-3,180(5)-DIV<1	0.90	43
21	OST-C-VFCW-FC-3,272(2)-13AR90-3,CL-13AR90-3,272(5)	0.86	37
22	OST-C-VFCW-FC-3,272(2)-13AR90-3,CL-13AR90-3,272(5)-DIV<1	0.86	36
23	OST-C-VFCW-FC-3,366(2)-13AR90-3,366(4)-13AR90-3,i89	0.77	32
24	OST-C-VFCW-FC-3,366(2)-13AR90-3,366(4)-13AR90-3,i89-DIV<1	0.77	32
25	OST-C-VFCW-FC-3,180(2)-13AR90-3,180(4)-13AR90-3,i89	0.82	46
26	OST-C-VFCW-FC-3,180(2)-13AR90-3,180(4)-13AR90-3,i89-DIV<1	0.82	43
27	OST-C-VFCW-FC-3,272(2)-13AR90-3,180(4)-13AR90-3,i89	0.80	39
28	OST-C-VFCW-FC-3,272(2)-13AR90-3,180(4)-13AR90-3,i89-DIV<1	0.80	37



CORE Series Vinyl Low Fixed Window

Glass Option	Model Code	Window U-Value (W/m ² K)	Energy Rating (ER)
1	OST-C-VFW-FIX-3,CL-16,Ar-3,180(3)	1.58	39
2	OST-C-VFW-FIX-3,CL-16,Ar-3,180(3)-Dividers<1"	1.58	36
3	OST-C-VFW-FIX-3,272(2)-16,Ar-3,CL	1.54	27
4	OST-C-VFW-FIX-3,272(2)-16,Ar-3,CL-Dividers<1"	1.54	25
5	OST-C-VFW-FIX-3,366(2)-16,Ar-3,CL	1.50	21
6	OST-C-VFW-FIX-3,366(2)-16,Ar-3,CL-Dividers<1"	1.50	19
7	OST-C-VFW-FIX-3,180(2)-16,Ar-3,i89(4)	1.30	43
8	OST-C-VFW-FIX-3,180(2)-16,Ar-3,i89(4)-Dividers<1"	1.30	40
9	OST-C-VFW-FIX-3,272(2)-16,Ar-3,i89(4)	1.26	33
10	OST-C-VFW-FIX-3,272(2)-16,Ar-3,i89(4)-Dividers<1"	1.26	31
11	OST-C-VFW-FIX-3,366(2)-16,Ar-3,i89(4)	1.24	26
12	OST-C-VFW-FIX-3,366(2)-16,Ar-3,i89(4)-Dividers<1"	1.24	25
13	OST-C-VFW-FIX-3,272(2)-13AR90-3,CL-13AR90-3,180(5)-R	0.80	40
14	OST-C-VFW-FIX-3,272(2)-13AR90-3,CL-13AR90-3,180(5)R-DIV<1	0.86	38
15	OST-C-VFW-FIX-3,366(2)-13AR90-3,CL-13AR90-3,180(5)-R	0.84	34
16	OST-C-VFW-FIX-3,366(2)-13AR90-3,CL-13AR90-3,180(5)R-DIV<1	0.84	33
17	OST-C-VFW-FIX-3,272(2)-13AR90-3,CL-13AR90-3,CL-R	1.14	34
18	OST-C-VFW-FIX-3,272(2)-13AR90-3,CL-13AR90-3,CL-R-DIV<1	1.14	32
19	OST-C-VFW-FIX-3,180(2)-13AR90-3,CL-13AR90-3,180(5)-R	0.87	49
20	OST-C-VFW-FIX-3,180(2)-13AR90-3,CL-13AR90-3,180(5)R-DIV<1	0.87	46
21	OST-C-VFW-FIX-3,272(2)-13AR90-3,CL-13AR90-3,272(5)-R	0.84	39
22	OST-C-VFW-FIX-3,272(2)-13AR90-3,CL-13AR90-3,272(5)R-DIV<1	0.84	38
23	OST-C-VFW-FIX-3,366(2)-13AR90-3,366(4)-13AR90-3,i89-R	0.73	34
24	OST-C-VFW-FIX-3,366(2)-13AR90-3,366(4)-13AR90-3,i89R-DIV<1	0.73	33
25	OST-C-VFW-FIX-3,180(2)-13AR90-3,180(4)-13AR90-3,i89-R	0.78	49
26	OST-C-VFW-FIX-3,180(2)-13AR90-3,180(4)-13AR90-3,i89R-DIV<1	0.78	47
27	OST-C-VFW-FIX-3,272(2)-13AR90-3,180(4)-13AR90-3,i89	0.77	41
28	OST-C-VFW-FIX-3,272(2)-13AR90-3,180(4)-13AR90-3,i89-DIV<1	0.77	39



CORE Series Vinyl Double Hung Window

Glass Option	Model Code	Window U-Value (W/m ² K)	Energy Rating (ER)
1	OST-C-VVSW-DH-3,CL-16,Ar-3,180(3)	1.66	33
2	OST-C-VVSW-DH-3,CL-16,Ar-3,180(3)-Dividers<1"	1.66	30
3	OST-C-VVSW-DH-3,272(2)-16,Ar-3,CL	1.62	22
4	OST-C-VVSW-DH-3,272(2)-16,Ar-3,CL-Dividers<1"	1.62	20
5	OST-C-VVSW-DH-3,366(2)-16,Ar-3,CL	1.59	16
6	OST-C-VVSW-DH-3,366(2)-16,Ar-3,CL-Dividers<1"	1.59	15
7	OST-C-VVSW-DH-3,180(2)-16,Ar-3,i89(4)	1.42	35
8	OST-C-VVSW-DH-3,180(2)-16,Ar-3,i89(4)-Dividers<1"	1.42	33
9	OST-C-VVSW-DH-3,366(2)-16,Ar-3,i89(4)	1.37	21
10	OST-C-VVSW-DH-3,366(2)-16,Ar-3,i89(4)-Dividers<1"	1.37	20

CORE Series Vinyl Double Slider Lift-Out Window

Glass Option	Model Code	Window U-Value (W/m ² K)	Energy Rating (ER)
1	OST-C-VHSW-DSLO-3,CL-16,Ar-3,180(3)	1.66	32
2	OST-C-VHSW-DSLO-3,CL-16,Ar-3,180(3)-Dividers<1"	1.66	28
3	OST-C-VHSW-DSLO-3,272(2)-16,Ar-3,CL	1.62	20
4	OST-C-VHSW-DSLO-3,272(2)-16,Ar-3,CL-Dividers<1"	1.62	19
5	OST-C-VHSW-DSLO-3,366(2)-16,Ar-3,CL	1.59	15
6	OST-C-VHSW-DSLO-3,366(2)-16,Ar-3,CL-Dividers<1"	1.59	14
7	OST-C-VHSW-DSLO-3,180(2)-16,Ar-3,i89(4)	1.43	34
8	OST-C-VHSW-DSLO-3,180(2)-16,Ar-3,i89(4)-Dividers<1"	1.43	31
9	OST-C-VHSW-DSLO-3,366(2)-16,Ar-3,i89(4)	1.38	20
10	OST-C-VHSW-DSLO-3,366(2)-16,Ar-3,i89(4)-Dividers<1"	1.38	19



CORE Series Vinyl Double Slider Tilt-In Window

Glass Option	Model Code	Window U-Value (W/m ² K)	Energy Rating (ER)
1	OST-C-VHSW-DSTI-3,CL-16,Ar-3,180(3)	1.68	31
2	OST-C-VHSW-DSTI-3,CL-16,Ar-3,180(3)-Dividers<1"	1.68	28
3	OST-C-VHSW-DSTI-3,272(2)-16,Ar-3,CL	1.64	21
4	OST-C-VHSW-DSTI-3,272(2)-16,Ar-3,CL-Dividers<1"	1.64	19
5	OST-C-VHSW-DSTI-3,366(2)-16,Ar-3,CL	1.60	15
6	OST-C-VHSW-DSTI-3,366(2)-16,Ar-3,CL-Dividers<1"	1.60	14
7	OST-C-VHSW-DSTI-3,180(2)-16,Ar-3,i89(4)	1.44	34
8	OST-C-VHSW-DSTI-3,180(2)-16,Ar-3,i89(4)-Dividers<1"	1.44	31
9	OST-C-VHSW-DSTI-3,366(2)-16,Ar-3,i89(4)	1.39	20
10	OST-C-VHSW-DSTI-3,366(2)-16,Ar-3,i89(4)-Dividers<1"	1.39	19

CORE Series Vinyl Single Hung Window

Glass Option	Model Code	Window U-Value (W/m ² K)	Energy Rating (ER)
1	OST-C-VVSW-SH-3,CL-16,Ar-3,180(3)	1.72	32
2	OST-C-VVSW-SH-3,CL-16,Ar-3,180(3)-Dividers<1"	1.72	29
3	OST-C-VVSW-SH-3,272(2)-16,Ar-3,CL	1.68	21
4	OST-C-VVSW-SH-3,272(2)-16,Ar-3,CL-Dividers<1"	1.68	19
5	OST-C-VVSW-SH-3,366(2)-16,Ar-3,CL	1.65	15
6	OST-C-VVSW-SH-3,366(2)-16,Ar-3,CL-Dividers<1"	1.65	14
7	OST-C-VVSW-SH-3,180(2)-16,Ar-3,i89(4)	1.47	35
8	OST-C-VVSW-SH-3,180(2)-16,Ar-3,i89(4)-Dividers<1"	1.47	32
9	OST-C-VVSW-SH-3,366(2)-16,Ar-3,i89(4)	1.42	20
10	OST-C-VVSW-SH-3,366(2)-16,Ar-3,i89(4)-Dividers<1"	1.42	19



CORE Series Vinyl Single Slider Lift-Out Window

Glass Option	Model Code	Window U-Value (W/m ² K)	Energy Rating (ER)
1	OST-C-VHSW-SSLO-3,CL-16,Ar-3,180(3)	1.73	32
2	OST-C-VHSW-SSLO-3,CL-16,Ar-3,180(3)-Dividers<1"	1.73	28
3	OST-C-VHSW-SSLO-3,272(2)-16,Ar-3,CL	1.68	21
4	OST-C-VHSW-SSLO-3,272(2)-16,Ar-3,CL-Dividers<1"	1.68	19
5	OST-C-VHSW-SSLO-3,366(2)-16,Ar-3,CL	1.65	15
6	OST-C-VHSW-SSLO-3,366(2)-16,Ar-3,CL-Dividers<1"	1.65	14
7	OST-C-VHSW-SSLO-3,180(2)-16,Ar-3,i89(4)	1.48	34
8	OST-C-VHSW-SSLO-3,180(2)-16,Ar-3,i89(4)-Dividers<1"	1.48	31
9	OST-C-VHSW-SSLO-3,366(2)-16,Ar-3,i89(4)	1.43	20
10	OST-C-VHSW-SSLO-3,366(2)-16,Ar-3,i89(4)-Dividers<1"	1.43	18

CORE Series Vinyl Single Slider Tilt-in Window

Glass Option	Model Code	Window U-Value (W/m ² K)	Energy Rating (ER)
1	OST-C-VHSW-SSTI-3,CL-16,Ar-3,180(3)	1.70	32
2	OST-C-VHSW-SSTI-3,CL-16,Ar-3,180(3)-Dividers<1"	1.70	29
3	OST-C-VHSW-SSTI-3,272(2)-16,Ar-3,CL	1.66	21
4	OST-C-VHSW-SSTI-3,272(2)-16,Ar-3,CL-Dividers<1"	1.66	19
5	OST-C-VHSW-SSTI-3,366(2)-16,Ar-3,CL	1.62	15
6	OST-C-VHSW-SSTI-3,366(2)-16,Ar-3,CL-Dividers<1"	1.62	14
7	OST-C-VHSW-SSTI-3,180(2)-16,Ar-3,i89(4)	1.45	35
8	OST-C-VHSW-SSTI-3,180(2)-16,Ar-3,i89(4)-Dividers<1"	1.45	32
9	OST-C-VHSW-SSTI-3,366(2)-16,Ar-3,i89(4)	1.40	20
10	OST-C-VHSW-SSTI-3,366(2)-16,Ar-3,i89(4)-Dividers<1"	1.40	19
11	OST-C-VHSW-SSTI-3,180(2)-16AR97-3,i89(4)-F	1.38	36
12	OST-C-VHSW-SSTI-3,180(2)-16AR97-3,i89(4)-F-DIV<1	1.38	33



CORE PLUS Series Vinyl Awning Window

Glass Option	Model Code	Window U-Value (W/m ² K)	Energy Rating (ER)
1	OST-CP-VAW-AWN-3,CL-16,Ar-3,180(3)	1.54	31
2	OST-CP-VAW-AWN-3,CL-16,Ar-3,180(3)-Dividers<1"	1.54	29
3	OST-CP-VAW-AWN-3,272(2)-16,Ar-3,CL	1.50	22
4	OST-CP-VAW-AWN-3,272(2)-16,Ar-3,CL-Dividers<1"	1.50	21
5	OST-CP-VAW-AWN-3,366(2)-16,Ar-3,CL	1.47	17
6	OST-CP-VAW-AWN-3,366(2)-16,Ar-3,CL-Dividers<1"	1.47	17
7	OST-CP-VAW-AWN-3,180(2)-16,Ar-3,i89(4)	1.35	33
8	OST-CP-VAW-AWN-3,180(2)-16,Ar-3,i89(4)-Dividers<1"	1.35	31
9	OST-CP-VAW-AWN-3,366(2)-16,Ar-3,i89(4)	1.30	21
10	OST-CP-VAW-AWN-3,366(2)-16,Ar-3,i89(4)-Dividers<1"	1.30	20
11	OST-CP-VAW-AWN-3,272(2)-13AR90-3,CL-13AR90-3,180(5)-R	1.01	32
12	OST-CP-VAW-AWN-3,272(2)-13AR90-3,CL-13AR90-3,180(5)R-DIV<1	1.01	30
13	OST-CP-VAW-AWN-3,366(2)-13AR90-3,CL-13AR90-3,180(5)-R	1.00	27
14	OST-CP-VAW-AWN-3,366(2)-13AR90-3,CL-13AR90-3,180(5)R-DIV<1	1.00	26
15	OST-CP-VAW-AWN-3,272(2)-13AR90-3,CL-13AR90-3,CL-R	1.23	27
16	OST-CP-VAW-AWN-3,272(2)-13AR90-3,CL-13AR90-3,CL-R-DIV<1	1.23	26
17	OST-CP-VAW-AWN-3,180(2)-13AR90-3,CL-13AR90-3,180(5)-R	1.02	38
18	OST-CP-VAW-AWN-3,180(2)-13AR90-3,CL-13AR90-3,180(5)-R-DIV<1	1.02	37
19	OST-CP-VAW-AWN-3,272(2)-13AR90-3,CL-13AR90-3,272(5)-R	0.99	31
20	OST-CP-VAW-AWN-3,272(2)-13AR90-3,CL-13,AR90-3272(5)R-DIV<1	0.99	30
21	OST-CP-VAW-AWN-3,366(2)-13AR90-3,366(4)-13AR90-3,i89-R	0.91	27
22	OST-CP-VAW-AWN-3,366(2)-13AR90-3,366(4)-13AR90-3,i89R-DIV<1	0.91	27
23	OST-CP-VAW-AWN-3,180(2)-13AR90-3,180(4)-13AR90-3,i89-R	0.95	39
24	OST-CP-VAW-AWN-3,180(2)-13A90R-3,180(4)-13AR90-3,i89R-DIV<1	0.95	37
25	OST-CP-VAW-AWN-3,272(2)-13AR90-3,180(4)-13AR90-3,i89-R	0.94	32
26	OST-CP-VAW-AWN-3,272(2)-13AR90-3,180(4)-13AR90-3,i89R-DIV<1	0.94	31



CORE PLUS Series Vinyl Casement Window

Glass Option	Model Code	Window U-Value (W/m ² K)	Energy Rating (ER)
1	OST-CP-VCW-CAS-3,CL-16,Ar-3,180(3)	1.52	32
2	OST-CP-VCW-CAS-3,CL-16,Ar-3,180(3)-Dividers<1"	1.52	30
3	OST-CP-VCW-CAS-3,272(2)-16,Ar-3,CL	1.49	23
4	OST-CP-VCW-CAS-3,272(2)-16,Ar-3,CL-Dividers<1"	1.49	21
5	OST-CP-VCW-CAS-3,366(2)-16,Ar-3,CL	1.46	18
6	OST-CP-VCW-CAS-3,366(2)-16,Ar-3,CL-Dividers<1"	1.46	17
7	OST-CP-VCW-CAS-3,180(2)-16,Ar-3,i89(4)	1.31	35
8	OST-CP-VCW-CAS-3,180(2)-16,Ar-3,i89(4)-Dividers<1"	1.31	32
9	OST-CP-VCW-CAS-3,366(2)-16,Ar-3,i89(4)	1.27	22
10	OST-CP-VCW-CAS-3,366(2)-16,Ar-3,i89(4)-Dividers<1"	1.27	21
11	OST-C-VCW-CAS-3,272(2)-13AR90-3,CL-13AR90-3,180(5)-R	1.00	32
12	OST-C-VCW-CAS-3,272(2)-13AR90-3,CL-13AR90-3,180(5)R-DIV<1"	1.00	31
13	OST-C-VCW-CAS-3,366(2)-13AR90-3,CL-13AR90-3,180(5)-R	0.99	27
14	OST-C-VCW-CAS-3,366(2)-13AR90-3,CL-13AR90-3,180(5)R-DIV<1	0.99	27
15	OST-C-VCW-CAS-3,272(2)-13AR90-3,CL-13AR90-3,CL-R	1.22	27
16	OST-C-VCW-CAS-3,272(2)-13AR90-3,CL-13AR90-3,CL-R-DIV<1	1.22	26
17	OST-C-VCW-CAS-3,180(2)-13AR90-3,CL-13AR90-3,180(5)-R	1.01	39
18	OST-C-VCW-CAS-3,180(2)-13AR90-3,CL-13AR90-3,180(5)R-DIV<1	1.01	37
19	OST-C-VCW-CAS-3,272(2)-13AR90-3,CL-13AR90-3,272(5)-R	0.98	31
20	OST-C-VCW-CAS-3,272(2)-13AR90-3,CL-13AR90-3,272(5)R-DIV<1	0.98	30
21	OST-C-VCW-CAS-3,366(2)-13AR90-3,366(4)-13AR90-3,i89R	0.90	28
22	OST-C-VCW-CAS-3,366(2)-13AR90-3,366(4)-13AR90-3,i89R-DIV<1	0.90	27
23	OST-C-VCW-CAS-3,180(2)-13AR90-3,180(4)-13AR90-3,i89R	0.94	39
24	OST-C-VCW-CAS-3,180(2)-13AR90-3,180(4)-13AR90-3,i89R-DIV<1	0.94	38
25	OST-C-VCW-CAS-3,272(2)-13AR90-3,180(4)-13AR90-3,i89-R	0.93	33
26	OST-C-VCW-CAS-3,272(2)-13AR90-3,180(4)-13AR90-3,i89R-DIV<1	0.93	32
27	OST-C-VCW-CAS-3,180(2)-16AR97-3,i89(4)-F	1.26	36
28	OST-C-VCW-CAS-3,180(2)-16AR97-3,i89(4)-F-DIV<1	1.26	34



CORE PLUS Series Vinyl Fixed Casement Window

Glass Option	Model Code	Window U-Value (W/m ² K)	Energy Rating (ER)
1	OST-CP-VFCW-FC-3,CL-16,Ar-3,180(3)	1.52	37
2	OST-CP-VFCW-FC-3,CL-16,Ar-3,180(3)-Dividers<1"	1.52	34
3	OST-CP-VFCW-FC-3,272(2)-16,Ar-3,CL	1.47	26
4	OST-CP-VFCW-FC-3,272(2)-16,Ar-3,CL-Dividers<1"	1.47	25
5	OST-CP-VFCW-FC-3,366(2)-16,Ar-3,CL	1.44	21
6	OST-CP-VFCW-FC-3,366(2)-16,Ar-3,CL-Dividers<1"	1.44	19
7	OST-CP-VFCW-FC-3,180(2)-16,Ar-3,i89(4)	1.26	41
8	OST-CP-VFCW-FC-3,180(2)-16,Ar-3,i89(4)-Dividers<1"	1.26	38
9	OST-CP-VFCW-FC-3,366(2)-16,Ar-3,i89(4)	1.21	26
10	OST-CP-VFCW-FC-3,366(2)-16,Ar-3,i89(4)-Dividers<1"	1.21	24
11	OST-CP-VFCW-FC-3,272(2)-13AR90-3,CL-13AR90-3,180(5)	0.88	37
12	OST-CP-VFCW-FC-3,272(2)-13AR90-3,CL-13AR90-3,180(5)-DIV<1	0.88	36
13	OST-CP-VFCW-FC-3,366(2)-13A90R-3,CL-13AR90-3,180(5)	0.87	32
14	OST-CP-VFCW-FC-3,366(2)-13AR90-3,CL-13AR90-3,180(5)-DIV<1	0.87	31
15	OST-CP-VFCW-FC-3,272(2)-13AR90-3,CL-13AR90-3,CL	1.14	32
16	OST-CP-VFCW-FC-3,272(2)-13AR90-3,CL-13AR90-3,CL-DIV<1	1.14	31
17	OST-CP-VFCW-FC-3,180(2)-13AR90-3,CL-13AR90-3,180(5)	0.90	46
18	OST-CP-VFCW-FC-3,180(2)-13AR90-3,CL-13AR90-3,180(5)-DIV<1	0.90	43
19	OST-CP-VFCW-FC-3,272(2)-13AR90-3,CL-13AR90-3,272(5)	0.86	37
20	OST-CP-VFCW-FC-3,272(2)-13AR90-3,CL-13AR90-3,272(5)-DIV<1	0.86	36
21	OST-CP-VFCW-FC-3,366(2)-13AR90-3,366(4)-13AR90-3,i89	0.77	32
22	OST-CP-VFCW-FC-3,366(2)-13AR90-3,366(4)-13AR90-3,i89-DIV<1	0.77	32
23	OST-CP-VFCW-FC-3,180(2)-13AR90-3,180(4)-13AR90-3,i89	0.82	46
24	OST-CP-VFCW-FC-3,180(2)-13AR90-3,180(4)-13AR90-3,i89-DIV<1	0.82	43
25	OST-CP-VFCW-FC-3,272(2)-13AR90-3,180(4)-13AR90-3,i89	0.80	39
26	OST-CP-VFCW-FC-3,272(2)-13AR90-3,180(4)-13AR90-3,i89-DIV<1	0.80	37



CORE PLUS Series Vinyl Low Fixed Window

Glass Option	Model Code	Window U-Value (W/m ² K)	Energy Rating (ER)
1	OST-CP-VFW-FIX-3,CL-16,Ar-3,180(3)	1.58	39
2	OST-CP-VFW-FIX-3,CL-16,Ar-3,180(3)-Dividers<1"	1.58	36
3	OST-CP-VFW-FIX-3,272(2)-16,Ar-3,CL	1.54	27
4	OST-CP-VFW-FIX-3,272(2)-16,Ar-3,CL-Dividers<1"	1.54	25
5	OST-CP-VFW-FIX-3,366(2)-16,Ar-3,CL	1.50	21
6	OST-CP-VFW-FIX-3,366(2)-16,Ar-3,CL-Dividers<1"	1.50	19
7	OST-CP-VFW-FIX-3,180(2)-16,Ar-3,i89(4)	1.30	43
8	OST-CP-VFW-FIX-3,180(2)-16,Ar-3,i89(4)-Dividers<1"	1.30	40
9	OST-CP-VFW-FIX-3,366(2)-16,Ar-3,i89(4)	1.24	26
10	OST-CP-VFW-FIX-3,366(2)-16,Ar-3,i89(4)-Dividers<1"	1.24	25
11	OST-CP-VFW-FIX-3,272(2)-13AR90-3,CL-13AR90-3,180(5)-R	0.80	40
12	OST-CP-VFW-FIX-3,272(2)-13AR90-3,CL-13AR90-3,180(5)R-DIV<1	0.86	38
13	OST-CP-VFW-FIX-3,366(2)-13AR90-3,CL-13AR90-3,180(5)-R	0.84	34
14	OST-CP-VFW-FIX-3,366(2)-13AR90-3,CL-13AR90-3,180(5)R-DIV<1	0.84	33
15	OST-CP-VFW-FIX-3,272(2)-13AR90-3,CL-13AR90-3,CL-R	1.14	34
16	OST-CP-VFW-FIX-3,272(2)-13AR90-3,CL-13AR90-3,CL-R-DIV<1	1.14	32
17	OST-CP-VFW-FIX-3,180(2)-13AR90-3,CL-13AR90-3,180(5)-R	0.87	49
18	OST-CP-VFW-FIX-3,180(2)-13AR90-3,CL-13AR90-3,180(5)R-DIV<1	0.87	46
19	OST-CP-VFW-FIX-3,272(2)-13AR90-3,CL-13AR90-3,272(5)-R	0.84	39
20	OST-CP-VFW-FIX-3,272(2)-13AR90-3,CL-13AR90-3,272(5)R-DIV<1	0.84	38
21	OST-CP-VFW-FIX-3,366(2)-13AR90-3,366(4)-13AR90-3,i89-R	0.73	34
22	OST-CP-VFW-FIX-3,366(2)-13AR90-3,366(4)-13AR90-3,i89R-DIV<1	0.73	33
23	OST-CP-VFW-FIX-3,180(2)-13AR90-3,180(4)-13AR90-3,i89-R	0.78	49
24	OST-CP-VFW-FIX-3,180(2)-13AR90-3,180(4)-13AR90-3,i89R-DIV<1	0.78	47
25	OST-CP-VFW-FIX-3,272(2)-13AR90-3,180(4)-13AR90-3,i89	0.77	41
26	OST-CP-VFW-FIX-3,272(2)-13AR90-3,180(4)-13AR90-3,i89-DIV<1	0.77	39



CORE PLUS Series Vinyl Double Hung Window

Glass Option	Model Code	Window U-Value (W/m ² K)	Energy Rating (ER)
1	OST-CP-VVSW-DH-3,CL-16,Ar-3,180(3)	1.66	33
2	OST-CP-VVSW-DH-3,CL-16,Ar-3,180(3)-Dividers<1"	1.66	30
3	OST-CP-VVSW-DH-3,272(2)-16,Ar-3,CL	1.62	22
4	OST-CP-VVSW-DH-3,272(2)-16,Ar-3,CL-Dividers<1"	1.62	20
5	OST-CP-VVSW-DH-3,366(2)-16,Ar-3,CL	1.59	16
6	OST-CP-VVSW-DH-3,366(2)-16,Ar-3,CL-Dividers<1"	1.59	15
7	OST-CP-VVSW-DH-3,180(2)-16,Ar-3,i89(4)	1.42	35
8	OST-CP-VVSW-DH-3,180(2)-16,Ar-3,i89(4)-Dividers<1"	1.42	33
9	OST-CP-VVSW-DH-3,272(2)-16,Ar-3,i89(4)	1.39	26
10	OST-CP-VVSW-DH-3,272(2)-16,Ar-3,i89(4)-Dividers<1"	1.39	25
11	OST-CP-VVSW-DH-3,366(2)-16,Ar-3,i89(4)	1.37	21
12	OST-CP-VVSW-DH-3,366(2)-16,Ar-3,i89(4)-Dividers<1"	1.37	20

CORE PLUS Series Vinyl Double Slider Lift-Out Window

Glass Option	Model Code	Window U-Value (W/m ² K)	Energy Rating (ER)
1	OST-CP-VHSW-DSLO-3,CL-16,Ar-3,180(3)	1.66	32
2	OST-CP-VHSW-DSLO-3,CL-16,Ar-3,180(3)-Dividers<1"	1.66	28
3	OST-CP-VHSW-DSLO-3,272(2)-16,Ar-3,CL	1.62	20
4	OST-CP-VHSW-DSLO-3,272(2)-16,Ar-3,CL-Dividers<1"	1.62	19
5	OST-CP-VHSW-DSLO-3,366(2)-16,Ar-3,CL	1.59	15
6	OST-CP-VHSW-DSLO-3,366(2)-16,Ar-3,CL-Dividers<1"	1.59	14
7	OST-CP-VHSW-DSLO-3,180(2)-16,Ar-3,i89(4)	1.43	34
8	OST-CP-VHSW-DSLO-3,180(2)-16,Ar-3,i89(4)-Dividers<1"	1.43	31
9	OST-CP-VHSW-DSLO-3,272(2)-16,Ar-3,i89(4)	1.40	25
10	OST-CP-VHSW-DSLO-3,272(2)-16,Ar-3,i89(4)-Dividers<1"	1.40	24
11	OST-CP-VHSW-DSLO-3,366(2)-16,Ar-3,i89(4)	1.38	20
12	OST-CP-VHSW-DSLO-3,366(2)-16,Ar-3,i89(4)-Dividers<1"	1.38	19



CORE PLUS Series Vinyl Double Slider Tilt-In Window

Glass Option	Model Code	Window U-Value (W/m ² K)	Energy Rating (ER)
1	OST-CP-VHSW-DSTI-3,CL-16,Ar-3,180(3)	1.68	31
2	OST-CP-VHSW-DSTI-3,CL-16,Ar-3,180(3)-Dividers<1"	1.68	28
3	OST-CP-VHSW-DSTI-3,272(2)-16,Ar-3,CL	1.64	21
4	OST-CP-VHSW-DSTI-3,272(2)-16,Ar-3,CL-Dividers<1"	1.64	19
5	OST-CP-VHSW-DSTI-3,366(2)-16,Ar-3,CL	1.60	15
6	OST-CP-VHSW-DSTI-3,366(2)-16,Ar-3,CL-Dividers<1"	1.60	14
7	OST-CP-VHSW-DSTI-3,180(2)-16,Ar-3,i89(4)	1.44	34
8	OST-CP-VHSW-DSTI-3,180(2)-16,Ar-3,i89(4)-Dividers<1"	1.44	31
9	OST-CP-VHSW-DSTI-3,272(2)-16,Ar-3,i89(4)	1.41	25
10	OST-CP-VHSW-DSTI-3,272(2)-16,Ar-3,i89(4)-Dividers<1"	1.41	23
11	OST-CP-VHSW-DSTI-3,366(2)-16,Ar-3,i89(4)	1.39	20
12	OST-CP-VHSW-DSTI-3,366(2)-16,Ar-3,i89(4)-Dividers<1"	1.39	19

CORE PLUS Series Vinyl Single Hung Window

Glass Option	Model Code	Window U-Value (W/m ² K)	Energy Rating (ER)
1	OST-CP-VVSW-SH-3,CL-16,Ar-3,180(3)	1.72	32
2	OST-CP-VVSW-SH-3,CL-16,Ar-3,180(3)-Dividers<1"	1.72	29
3	OST-CP-VVSW-SH-3,272(2)-16,Ar-3,CL	1.68	21
4	OST-CP-VVSW-SH-3,272(2)-16,Ar-3,CL-Dividers<1"	1.68	19
5	OST-CP-VVSW-SH-3,366(2)-16,Ar-3,CL	1.65	15
6	OST-CP-VVSW-SH-3,366(2)-16,Ar-3,CL-Dividers<1"	1.65	14
7	OST-CP-VVSW-SH-3,180(2)-16,Ar-3,i89(4)	1.47	35
8	OST-CP-VVSW-SH-3,180(2)-16,Ar-3,i89(4)-Dividers<1"	1.47	32
9	OST-CP-VVSW-SH-3,366(2)-16,Ar-3,i89(4)	1.42	20
10	OST-CP-VVSW-SH-3,366(2)-16,Ar-3,i89(4)-Dividers<1"	1.42	19



CORE PLUS Series Vinyl Single Slider Lift-Out Window

Glass Option	Model Code	Window U-Value (W/m ² K)	Energy Rating (ER)
1	OST-CP-VHSW-SSLO-3,CL-16,Ar-3,180(3)	1.73	32
2	OST-CP-VHSW-SSLO-3,CL-16,Ar-3,180(3)-Dividers<1"	1.73	28
3	OST-CP-VHSW-SSLO-3,272(2)-16,Ar-3,CL	1.68	21
4	OST-CP-VHSW-SSLO-3,272(2)-16,Ar-3,CL-Dividers<1"	1.68	19
5	OST-CP-VHSW-SSLO-3,366(2)-16,Ar-3,CL	1.65	15
6	OST-CP-VHSW-SSLO-3,366(2)-16,Ar-3,CL-Dividers<1"	1.65	14
7	OST-CP-VHSW-SSLO-3,180(2)-16,Ar-3,i89(4)	1.48	34
8	OST-CP-VHSW-SSLO-3,180(2)-16,Ar-3,i89(4)-Dividers<1"	1.48	31
9	OST-CP-VHSW-SSLO-3,366(2)-16,Ar-3,i89(4)	1.43	20
10	OST-CP-VHSW-SSLO-3,366(2)-16,Ar-3,i89(4)-Dividers<1"	1.43	18

CORE PLUS Series Vinyl Single Slider Tilt-In Window

Glass Option	Model Code	Window U-Value (W/m ² K)	Energy Rating (ER)
1	OST-CP-VHSW-SSTI-3,CL-16,Ar-3,180(3)	1.70	32
2	OST-CP-VHSW-SSTI-3,CL-16,Ar-3,180(3)-Dividers<1"	1.70	29
3	OST-CP-VHSW-SSTI-3,272(2)-16,Ar-3,CL	1.66	21
4	OST-CP-VHSW-SSTI-3,272(2)-16,Ar-3,CL-Dividers<1"	1.66	19
5	OST-CP-VHSW-SSTI-3,366(2)-16,Ar-3,CL	1.62	15
6	OST-CP-VHSW-SSTI-3,366(2)-16,Ar-3,CL-Dividers<1"	1.62	14
7	OST-CP-VHSW-SSTI-3,180(2)-16,Ar-3,i89(4)	1.45	35
8	OST-CP-VHSW-SSTI-3,180(2)-16,Ar-3,i89(4)-Dividers<1"	1.45	32
9	OST-CP-VHSW-SSTI-3,366(2)-16,Ar-3,i89(4)	1.40	20
10	OST-CP-VHSW-SSTI-3,366(2)-16,Ar-3,i89(4)-Dividers<1"	1.40	19



Energense Series Vinyl with Cellular PVC Foam Cladding Awning Window

Glass Option	Model Code	Window U-Value (W/m ² K)	Energy Rating (ER)
1	OST-ES-VAW-AWN-3,CL-16,Ar-3,180(3)	1.48	35
2	OST-ES-VAW-AWN-3,CL-16,Ar-3,180(3)-Dividers<1"	1.48	32
3	OST-ES-VAW-AWN-3,272(2)-16,Ar-3,CL	1.45	25
4	OST-ES-VAW-AWN-3,272(2)-16,Ar-3,CL-Dividers<1"	1.45	23
5	OST-ES-VAW-AWN-3,366(2)-16,Ar-3,CL	1.42	20
6	OST-ES-VAW-AWN-3,366(2)-16,Ar-3,CL-Dividers<1"	1.42	19
7	OST-ES-VAW-AWN-3,180(2)-16,Ar-3,i89(4)	1.28	37
8	OST-ES-VAW-AWN-3,180(2)-16,Ar-3,i89(4)-Dividers<1"	1.28	34
9	OST-ES-VAW-AWN-3,366(2)-16,Ar-3,i89(4)	1.23	24
10	OST-ES-VAW-AWN-3,366(2)-16,Ar-3,i89(4)-Dividers<1"	1.23	23
11	OST-ES-VAW-AWN-3,272(2)-13,Ar-3,CL-13,Ar-3,180(5)	0.92	35
12	OST-ES-VAW-AWN-3,272(2)-13,Ar-3,CL-13,Ar-3,180(5)-Dividers<1"	0.92	34
13	OST-ES-VAW-AWN-3,366(2)-13,Ar-3,CL-13,Ar-3,180(5)	0.91	30
14	OST-ES-VAW-AWN-3,366(2)-13,Ar-3,CL-13,Ar-3,180(5)-Dividers<1"	0.91	29
15	OST-ES-VAW-AWN-3,272(2)-13,Ar-3,CL-13,Ar-3,CL	1.15	30
16	OST-ES-VAW-AWN-3,272(2)-13,Ar-3,CL-13,Ar-3,CL-Dividers<1"	1.15	28
17	OST-ES-VAW-AWN-3,180(2)-13,Ar-3,CL-13,Ar-3,180(5)	0.93	42
18	OST-ES-VAW-AWN-3,180(2)-13,Ar-3,CL-13,Ar-3,180(5)-Dividers<1"	0.93	40
19	OST-ES-VAW-AWN-3,272(2)-13,Ar-3,CL-13,Ar-3,272(5)	0.90	35
20	OST-ES-VAW-AWN-3,272(2)-13,Ar-3,CL-13,Ar-3,272(5)-Dividers<1"	0.90	33
21	OST-ES-VAW-AWN-3,366(2)-13,Ar-3,CL-13,Ar-3,i89	1.02	27
22	OST-ES-VAW-AWN-3,366(2)-13,Ar-3,CL-13,Ar-3,i89-Dividers<1"	1.02	27
23	OST-ES-VAW-AWN-3,180(2)-13,Ar-3,CL-13,Ar-3,i89	1.05	40
24	OST-ES-VAW-AWN-3,180(2)-13,Ar-3,CL-13,Ar-3,i89-Dividers<1"	1.05	38



Energense Series Vinyl with Wood Cladding Awning Window

Glass Option	Model Code	Window U-Value (W/m ² K)	Energy Rating (ER)
1	OST-ES-WAW-AWN-3,CL-16,Ar-3,180(3)	1.53	34
2	OST-ES-WAW-AWN-3,CL-16,Ar-3,180(3)-Dividers<1"	1.53	31
3	OST-ES-WAW-AWN-3,272(2)-16,Ar-3,CL	1.50	24
4	OST-ES-WAW-AWN-3,272(2)-16,Ar-3,CL-Dividers<1"	1.50	22
5	OST-ES-WAW-AWN-3,366(2)-16,Ar-3,CL	1.47	19
6	OST-ES-WAW-AWN-3,366(2)-16,Ar-3,CL-Dividers<1"	1.47	17
7	OST-ES-WAW-AWN-3,180(2)-16,Ar-3,i89(4)	1.34	35
8	OST-ES-WAW-AWN-3,180(2)-16,Ar-3,i89(4)-Dividers<1"	1.34	33
9	OST-ES-WAW-AWN-3,366(2)-16,Ar-3,i89(4)	1.29	23
10	OST-ES-WAW-AWN-3,366(2)-16,Ar-3,i89(4)-Dividers<1"	1.29	21
11	OST-ES-WAW-AWN-3,272(2)-13,Ar-3,CL-13,Ar-3,180(5)	0.96	34
12	OST-ES-WAW-AWN-3,272(2)-13,Ar-3,CL-13,Ar-3,180(5)-Dividers<1"	0.96	33
13	OST-ES-WAW-AWN-3,366(2)-13,Ar-3,CL-13,Ar-3,180(5)	0.95	29
14	OST-ES-WAW-AWN-3,366(2)-13,Ar-3,CL-13,Ar-3,180(5)-Dividers<1"	0.95	28
15	OST-ES-WAW-AWN-3,272(2)-13,Ar-3,CL-13,Ar-3,CL	1.19	29
16	OST-ES-WAW-AWN-3,272(2)-13,Ar-3,CL-13,Ar-3,CL-Dividers<1"	1.19	28
17	OST-ES-WAW-AWN-3,180(2)-13,Ar-3,CL-13,Ar-3,180(5)	0.97	41
18	OST-ES-WAW-AWN-3,180(2)-13,Ar-3,CL-13,Ar-3,180(5)-Dividers<1"	0.97	39
19	OST-ES-WAW-AWN-3,272(2)-13,Ar-3,CL-13,Ar-3,272(5)	0.95	33
20	OST-ES-WAW-AWN-3,272(2)-13,Ar-3,CL-13,Ar-3,272(5)-Dividers<1"	0.95	32
21	OST-ES-WAW-AWN-3,366(2)-13,Ar-3,CL-13,Ar-3,i89	1.06	26
22	OST-ES-WAW-AWN-3,366(2)-13,Ar-3,CL-13,Ar-3,i89-Dividers<1"	1.06	26
23	OST-ES-WAW-AWN-3,180(2)-13,Ar-3,CL-13,Ar-3,i89	1.09	39
24	OST-ES-WAW-AWN-3,180(2)-13,Ar-3,CL-13,Ar-3,i89-Dividers<1"	1.09	37



Energense Series Vinyl with Cellular PVC Foam Cladding Casement Window

Glass Option	Model Code	Window U-Value (W/m ² K)	Energy Rating (ER)
1	OST-ES-VCW-CAS-3,CL-16,Ar-3,180(3)	1.47	35
2	OST-ES-VCW-CAS-3,CL-16,Ar-3,180(3)-Dividers<1"	1.47	32
3	OST-ES-VCW-CAS-3,272(2)-16,Ar-3,CL	1.43	25
4	OST-ES-VCW-CAS-3,272(2)-16,Ar-3,CL-Dividers<1"	1.43	23
5	OST-ES-VCW-CAS-3,366(2)-16,Ar-3,CL	1.40	20
6	OST-ES-VCW-CAS-3,366(2)-16,Ar-3,CL-Dividers<1"	1.40	19
7	OST-ES-VCW-CAS-3,180(2)-16,Ar-3,i89(4)	1.25	37
8	OST-ES-VCW-CAS-3,180(2)-16,Ar-3,i89(4)-Dividers<1"	1.25	35
9	OST-ES-VCW-CAS-3,366(2)-16,Ar-3,i89(4)	1.20	24
10	OST-ES-VCW-CAS-3,366(2)-16,Ar-3,i89(4)-Dividers<1"	1.20	23
11	OST-ES-VCW-CAS-3,272(2)-13,Ar-3,CL-13,Ar-3,180(5)	0.92	34
12	OST-ES-VCW-CAS-3,272(2)-13,Ar-3,CL-13,Ar-3,180(5)-Dividers<1"	0.92	33
13	OST-ES-VCW-CAS-3,366(2)-13,Ar-3,CL-13,Ar-3,180(5)	0.91	29
14	OST-ES-VCW-CAS-3,366(2)-13,Ar-3,CL-13,Ar-3,180(5)-Dividers<1"	0.91	29
15	OST-ES-VCW-CAS-3,272(2)-13,Ar-3,CL-13,Ar-3,CL	1.14	30
16	OST-ES-VCW-CAS-3,272(2)-13,Ar-3,CL-13,Ar-3,CL-Dividers<1"	1.14	29
17	OST-ES-VCW-CAS-3,180(2)-13,Ar-3,CL-13,Ar-3,180(5)	0.93	42
18	OST-ES-VCW-CAS-3,180(2)-13,Ar-3,CL-13,Ar-3,180(5)-Dividers<1"	0.93	39
19	OST-ES-VCW-CAS-3,272(2)-13,Ar-3,CL-13,Ar-3,272(5)	0.90	34
20	OST-ES-VCW-CAS-3,272(2)-13,Ar-3,CL-13,Ar-3,272(5)-Dividers<1"	0.90	33
21	OST-ES-VCW-CAS-3,366(2)-13,Ar-3,CL-13,Ar-3,i89	0.99	28
22	OST-ES-VCW-CAS-3,366(2)-13,Ar-3,CL-13,Ar-3,i89-Dividers<1"	0.99	27
23	OST-ES-VCW-CAS-3,180(2)-13,Ar-3,CL-13,Ar-3,i89	1.02	40
24	OST-ES-VCW-CAS-3,180(2)-13,Ar-3,CL-13,Ar-3,i89-Dividers<1"	1.02	38



Energense Series Vinyl with Wood Cladding Casement Window

Glass Option	Model Code	Window U-Value (W/m ² K)	Energy Rating (ER)
1	OST-ES-WCW-CAS-3,CL-16,Ar-3,180(3)	1.52	33
2	OST-ES-WCW-CAS-3,CL-16,Ar-3,180(3)-Dividers<1"	1.52	31
3	OST-ES-WCW-CAS-3,272(2)-16,Ar-3,CL	1.48	24
4	OST-ES-WCW-CAS-3,272(2)-16,Ar-3,CL-Dividers<1"	1.48	22
5	OST-ES-WCW-CAS-3,366(2)-16,Ar-3,CL	1.45	19
6	OST-ES-WCW-CAS-3,366(2)-16,Ar-3,CL-Dividers<1"	1.45	18
7	OST-ES-WCW-CAS-3,180(2)-16,Ar-3,i89(4)	1.30	36
8	OST-ES-WCW-CAS-3,180(2)-16,Ar-3,i89(4)-Dividers<1"	1.30	34
9	OST-ES-WCW-CAS-3,366(2)-16,Ar-3,i89(4)	1.25	23
10	OST-ES-WCW-CAS-3,366(2)-16,Ar-3,i89(4)-Dividers<1"	1.25	22
11	OST-ES-WCW-CAS-3,272(2)-13,Ar-3,CL-13,Ar-3,180(5)	0.92	34
12	OST-ES-WCW-CAS-3,272(2)-13,Ar-3,CL-13,Ar-3,180(5)-Dividers<1"	0.92	33
13	OST-ES-WCW-CAS-3,366(2)-13,Ar-3,CL-13,Ar-3,180(5)	0.95	29
14	OST-ES-WCW-CAS-3,366(2)-13,Ar-3,CL-13,Ar-3,180(5)-Dividers<1"	0.95	28
15	OST-ES-WCW-CAS-3,272(2)-13,Ar-3,CL-13,Ar-3,CL	1.18	29
16	OST-ES-WCW-CAS-3,272(2)-13,Ar-3,CL-13,Ar-3,CL-Dividers<1"	1.18	28
17	OST-ES-WCW-CAS-3,180(2)-13,Ar-3,CL-13,Ar-3,180(5)	0.97	41
18	OST-ES-WCW-CAS-3,180(2)-13,Ar-3,CL-13,Ar-3,180(5)-Dividers<1"	0.97	39
19	OST-ES-WCW-CAS-3,272(2)-13,Ar-3,CL-13,Ar-3,272(5)	0.94	33
20	OST-ES-WCW-CAS-3,272(2)-13,Ar-3,CL-13,Ar-3,272(5)-Dividers<1"	0.94	32
21	OST-ES-WCW-CAS-3,366(2)-13,Ar-3,CL-13,Ar-3,i89	1.04	27
22	OST-ES-WCW-CAS-3,366(2)-13,Ar-3,CL-13,Ar-3,i89-Dividers<1"	1.04	26
23	OST-ES-WCW-CAS-3,180(2)-13,Ar-3,CL-13,Ar-3,i89	1.07	39
24	OST-ES-WCW-CAS-3,180(2)-13,Ar-3,CL-13,Ar-3,i89-Dividers<1"	1.07	37



Energense Series Vinyl with Cellular PVC Foam Cladding Low Fixed Window

Glass Option	Model Code	Window U-Value (W/m ² K)	Energy Rating (ER)
1	OST-ES-VFW-FIX-3,CL-16,Ar-3,180(3)	1.54	40
2	OST-ES-VFW-FIX-3,CL-16,Ar-3,180(3)-Dividers<1"	1.54	36
3	OST-ES-VFW-FIX-3,272(2)-16,Ar-3,CL	1.50	28
4	OST-ES-VFW-FIX-3,272(2)-16,Ar-3,CL-Dividers<1"	1.50	25
5	OST-ES-VFW-FIX-3,366(2)-16,Ar-3,CL	1.46	21
6	OST-ES-VFW-FIX-3,366(2)-16,Ar-3,CL-Dividers<1"	1.46	20
7	OST-ES-VFW-FIX-3,180(2)-16,Ar-3,i89(4)	1.27	43
8	OST-ES-VFW-FIX-3,180(2)-16,Ar-3,i89(4)-Dividers<1"	1.27	40
9	OST-ES-VFW-FIX-3,366(2)-16,Ar-3,i89(4)	1.21	26
10	OST-ES-VFW-FIX-3,366(2)-16,Ar-3,i89(4)-Dividers<1"	1.21	25
11	OST-ES-VFW-FIX-3,272(2)-13,Ar-3,CL-13,Ar-3,180(5)	0.85	39
12	OST-ES-VFW-FIX-3,272(2)-13,Ar-3,CL-13,Ar-3,180(5)-Dividers<1"	0.85	38
13	OST-ES-VFW-FIX-3,366(2)-13,Ar-3,CL-13,Ar-3,180(5)	0.84	33
14	OST-ES-VFW-FIX-3,366(2)-13,Ar-3,CL-13,Ar-3,180(5)-Dividers<1"	0.84	32
15	OST-ES-VFW-FIX-3,272(2)-13,Ar-3,CL-13,Ar-3,CL	1.14	34
16	OST-ES-VFW-FIX-3,272(2)-13,Ar-3,CL-13,Ar-3,CL-Dividers<1"	1.14	32
17	OST-ES-VFW-FIX-3,180(2)-13,Ar-3,CL-13,Ar-3,180(5)	0.87	48
18	OST-ES-VFW-FIX-3,180(2)-13,Ar-3,CL-13,Ar-3,180(5)-Dividers<1"	0.87	46
19	OST-ES-VFW-FIX-3,272(2)-13,Ar-3,CL-13,Ar-3,272(5)	0.83	39
20	OST-ES-VFW-FIX-3,272(2)-13,Ar-3,CL-13,Ar-3,272(5)-Dividers<1"	0.83	37
21	OST-ES-VFW-FIX-3,366(2)-13,Ar-3,CL-13,Ar-3,i89	0.96	31
22	OST-ES-VFW-FIX-3,366(2)-13,Ar-3,CL-13,Ar-3,i89-Dividers<1"	0.96	30
23	OST-ES-VFW-FIX-3,180(2)-13,Ar-3,CL-13,Ar-3,i89	1.00	46
24	OST-ES-VFW-FIX-3,180(2)-13,Ar-3,CL-13,Ar-3,i89-Dividers<1"	1.00	44



Energense Series Vinyl with Wood Cladding Low Fixed Window

Glass Option	Model Code	Window U-Value (W/m ² K)	Energy Rating (ER)
1	OST-ES-WFW-FIX-3,CL-16,Ar-3,180(3)	1.56	40
2	OST-ES-WFW-FIX-3,CL-16,Ar-3,180(3)-Dividers<1"	1.56	36
3	OST-ES-WFW-FIX-3,272(2)-16,Ar-3,CL	1.51	27
4	OST-ES-WFW-FIX-3,272(2)-16,Ar-3,CL-Dividers<1"	1.51	25
5	OST-ES-WFW-FIX-3,366(2)-16,Ar-3,CL	1.47	21
6	OST-ES-WFW-FIX-3,366(2)-16,Ar-3,CL-Dividers<1"	1.47	20
7	OST-ES-WFW-FIX-3,180(2)-16,Ar-3,i89(4)	1.28	43
8	OST-ES-WFW-FIX-3,180(2)-16,Ar-3,i89(4)-Dividers<1"	1.28	39
9	OST-ES-WFW-FIX-3,366(2)-16,Ar-3,i89(4)	1.22	26
10	OST-ES-WFW-FIX-3,366(2)-16,Ar-3,i89(4)-Dividers<1"	1.22	25
11	OST-ES-WFW-FIX-3,272(2)-13,Ar-3,CL-13,Ar-3,180(5)	0.87	39
12	OST-ES-WFW-FIX-3,272(2)-13,Ar-3,CL-13,Ar-3,180(5)-Dividers<1"	0.87	37
13	OST-ES-WFW-FIX-3,366(2)-13,Ar-3,CL-13,Ar-3,180(5)	0.85	33
14	OST-ES-WFW-FIX-3,366(2)-13,Ar-3,CL-13,Ar-3,180(5)-Dividers<1"	0.85	32
15	OST-ES-WFW-FIX-3,272(2)-13,Ar-3,CL-13,Ar-3,CL	1.15	33
16	OST-ES-WFW-FIX-3,272(2)-13,Ar-3,CL-13,Ar-3,CL-Dividers<1"	1.15	32
17	OST-ES-WFW-FIX-3,180(2)-13,Ar-3,CL-13,Ar-3,180(5)	0.88	48
18	OST-ES-WFW-FIX-3,180(2)-13,Ar-3,CL-13,Ar-3,180(5)-Dividers<1"	0.88	46
19	OST-ES-WFW-FIX-3,272(2)-13,Ar-3,CL-13,Ar-3,272(5)	0.85	38
20	OST-ES-WFW-FIX-3,272(2)-13,Ar-3,CL-13,Ar-3,272(5)-Dividers<1"	0.85	37
21	OST-ES-WFW-FIX-3,366(2)-13,Ar-3,CL-13,Ar-3,i89	0.97	30
22	OST-ES-WFW-FIX-3,366(2)-13,Ar-3,CL-13,Ar-3,i89-Dividers<1"	0.97	29
23	OST-ES-WFW-FIX-3,180(2)-13,Ar-3,CL-13,Ar-3,i89	1.01	46
24	OST-ES-WFW-FIX-3,180(2)-13,Ar-3,CL-13,Ar-3,i89-Dividers<1"	1.01	43

Notes: Listed products meet the energy requirements of the standards listed above. Windows are not intended for installation in storefronts, non-operable portions of curtain wall, fixed glazing cast into precast concrete panels, greenhouses, skylights or sloped glazing. Test procedures are designed to test the performance of the test specimen only and are not necessarily used to test the performance of the installation, particularly the perimeter sealant joint and anchoring of the assembly.



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