



Phius Product Number: W-101553
Date Last Certified: 08/15/2023
THERM Files Available: No

Phius Certification Path: Blue Path
Valid Through: 08/15/2025
Air Leakage Test Data Available: No



PRODUCT INFORMATION

Product Name: Sunset Windows & Doors V750 Casement Window

Manufacturer: Sunset Windows & Doors

Primary Frame Material: Vinyl

Series: V750

Fixed or Operable: Operable

Model: Windows & Doors V750 Casement Window

Operation Type: Casement

NFRC CPD #: SST-M-1-00001-00001

IGU DETAILS

Glazing Name: SN51HT Clear 4mm/90% Argon 16 mm/ Extra Clear 4mm/ 90% Argon 16mm/ ClimaGuard Premium 2T 4 mm

Glass Layers: Triple

Gas Fill: Argon

Spacer: SWISSPACER ULTIMATE

RECOMMENDED CLIMATE ZONES (NOTE: This information is not for use in building energy models. See next section.)

Recommended Climate Zones and Whole-Window U-values by Zone, at Standard Model Size [Btu/hr·ft²·°F]

Climate Zone	0, 1, 2	3A	3B	3C	4A, 4B	4C, 5C	5A, 5B	6	7	8
Recommended Zones	✓	✓	✓	✓	✓	✓				
U-Whole-Window	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.19

Modeled Size [W×H]

23.62" × 59.06"

SHGC, Whole Window: 0.12

Condensation Resistance:

COMPONENT-LEVEL PERFORMANCE DATA [IP Units] | *Compatible with building energy modeling tools*

U-COG | Center of Glass U-Values, by Climate Zone [Btu/hr·ft²·°F]

Climate Zone	0, 1, 2	3A	3B	3C	4A, 4B	4C, 5C	5A, 5B	6	7	8
U-COG Value	0.10	0.10	0.10	0.10	0.10	0.10	0.11	0.11	0.12	0.12

SHGC-COG | Center of Glass Solar Heat Gain Coefficient, All Climate Zones

0.23

Frame Parameters

Left Jamb

Right Jamb

Head

Sill

Frame Section

Left

Right

Top

Bottom

Frame Width

4.45"

4.45"

4.45"

4.45"

Frame U-Value [Btu/hr·ft²·°F]

0.24

0.24

0.25

0.25

Glazing-to-Frame Psi Value [Btu/hr·ft·°F]

0.0061

0.0061

0.0057

0.0057

Frame-to-Wall Psi Value is dependent on the on-site installation condition. (See *Phius Guidebook* for more details.)



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Gas Fill: Argon

Spacer: SWISSPACER ULTIMATE

RECOMMENDED CLIMATE ZONES (NOTE: This information is not for use in building energy models. See next section.)

Recommended Climate Zones and Whole-Window U-values by Zone, at Standard Model Size [W/m²K]

Climate Zone	0, 1, 2	3A	3B	3C	4A, 4B	4C, 5C	5A, 5B	6	7	8
Recommended Zones	✓	✓	✓	✓	✓	✓				
U-Whole-Window	1.00	1.00	1.00	0.99	1.00	1.00	1.01	1.01	1.04	1.06

Modeled Size [W × H] 0.60 m × 1.50 m

SHGC, Whole Window: 0.12

Condensation Resistance:

COMPONENT-LEVEL PERFORMANCE DATA [SI Units] | *Compatible with building energy modeling tools*

U-COG | Center of Glass U-Values, by Climate Zone [W/m²K]

Climate Zone	0, 1, 2	3A	3B	3C	4A, 4B	4C, 5C	5A, 5B	6	7	8
U-COG Value	0.58	0.58	0.58	0.58	0.59	0.59	0.60	0.61	0.66	0.70

SHGC-COG | Center of Glass Solar Heat Gain Coefficient, All Climate Zones

0.23

Frame Parameters	Left Jamb	Right Jamb	Head	Sill
Frame Section	Left	Right	Top	Bottom
Frame Width	113 mm	113 mm	113 mm	113 mm
Frame U-Value [W/m ² K]	1.37	1.37	1.39	1.39
Glazing-to-Frame Psi Value [W/mK]	0.0106	0.0106	0.0099	0.0099
Frame-to-Wall Psi Value is dependent on the on-site installation condition. (See Phius Guidebook for more details.)				