



Phius Product Number: W-101161
Date Last Certified: 08/15/2023
THERM Files Available: Yes

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



PRODUCT INFORMATION

| | |
|---|---|
| Product Name: Cascadia Universal Inswing Hopper Window | |
| Manufacturer: Cascadia Windows & Doors | Primary Frame Material: Fiberglass |
| Series: Universal Series | Fixed or Operable: Operable |
| Model: Inswing Hopper Window | Operation Type: Awning |
| NFRC CPD #: CWL-K-24-00061-00001 | |

IGU DETAILS

| | | |
|---|------------------------|-------------------------------|
| Glazing Name: E366/ Arg/ Clear/ Arg/ E180 (6mm) 44,0mm | | |
| Glass Layers: Triple | Gas Fill: Argon | Spacer: Cardinal Endur |

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 | 0.16 | 0.16 | 0.16 | 0.16 | 0.16 | 0.16 | 0.16 | 0.16 | 0.16 | 0.16 |
| Modeled Size [W×H] | 59.06" × 23.62" | | SHGC, Whole Window: 0.13 | | | | 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 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 |
| SHGC-COG Center of Glass Solar Heat Gain Coefficient, All Climate Zones | | | | | | | | 0.24 | | |

| Frame Parameters | Left Jamb | Right Jamb | Head | Sill |
|---|-------------|--------------|------------|---------------|
| Frame Section | Left | Right | Top | Bottom |
| Frame Width | 4.13" | 4.13" | 4.13" | 4.13" |
| Frame U-Value [Btu/hr·ft²·°F] | 0.18 | 0.18 | 0.18 | 0.18 |
| Glazing-to-Frame Psi Value [Btu/hr·ft·°F] | 0.0094 | 0.0094 | 0.0098 | 0.0098 |
| Frame-to-Wall Psi Value is dependent on the on-site installation condition. <i>(See Phius Guidebook for more details.)</i> | | | | |



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IGU DETAILS

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| Glazing Name: E366/ Arg/ Clear/ Arg/ E180 (6mm) 44,0mm | | |
| Glass Layers: Triple | Gas Fill: Argon | Spacer: Cardinal Endur |

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/m ² K] | | | | | | | | | | |
|--|-----------------|------|--------------------------|------|--------|--------|--------------------------|------|------|------|
| Climate Zone | 0, 1, 2 | 3A | 3B | 3C | 4A, 4B | 4C, 5C | 5A, 5B | 6 | 7 | 8 |
| Recommended Zones | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | |
| U-Whole-Window | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.91 |
| Modeled Size [W × H] | 1.50 m × 0.60 m | | SHGC, Whole Window: 0.13 | | | | 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/m ² K] | | | | | | | | | | |
|---|---------|------|------|------|--------|--------|--------|------|------|------|
| Climate Zone | 0, 1, 2 | 3A | 3B | 3C | 4A, 4B | 4C, 5C | 5A, 5B | 6 | 7 | 8 |
| U-COG Value | 0.69 | 0.68 | 0.68 | 0.68 | 0.68 | 0.68 | 0.68 | 0.68 | 0.69 | 0.71 |
| SHGC-COG Center of Glass Solar Heat Gain Coefficient, All Climate Zones | | | | | | | | 0.24 | | |

| Frame Parameters | Left Jamb | Right Jamb | Head | Sill |
|--|-------------|--------------|------------|---------------|
| Frame Section | Left | Right | Top | Bottom |
| Frame Width | 105 mm | 105 mm | 105 mm | 105 mm |
| Frame U-Value [W/m ² K] | 1.03 | 1.03 | 1.02 | 1.02 |
| Glazing-to-Frame Psi Value [W/mK] | 0.0164 | 0.0164 | 0.0171 | 0.0171 |
| Frame-to-Wall Psi Value is dependent on the on-site installation condition. (See Phius Guidebook for more details.) | | | | |