



**Phius Product Number:** W-101531  
**Date Last Certified:** 08/15/2023  
**THERM Files Available:** No

**Phius Certification Path:** Blue Path  
**Valid Through:** 04/04/2026  
**Air Leakage Test Data Available:** No



**PRODUCT INFORMATION**

<b>Product Name:</b> Andersen A-Series Casement	
<b>Manufacturer:</b> Andersen Corp	<b>Primary Frame Material:</b> Wood
<b>Series:</b> A-Series	<b>Fixed or Operable:</b> Operable
<b>Model:</b> A-Series Casement	<b>Operation Type:</b> Casement
<b>NFRC CPD #:</b> AND-N-86-03765-00001	

**IGU DETAILS**

<b>Glazing Name:</b> LowE HP+Heatlock Triple Pane with Argon		
<b>Glass Layers:</b> Triple	<b>Gas Fill:</b> Argon	<b>Spacer:</b> Cardinal XL Edge

**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·ft <sup>2</sup> ·°F]										
Climate Zone	0, 1, 2	3A	3B	3C	4A, 4B	4C, 5C	5A, 5B	6	7	8
Recommended Zones	✓	✓	✓	✓		✓				
U-Whole-Window	0.19	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
Modeled Size [W×H]	23.62" × 59.06"		SHGC, Whole Window: 0.23				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·ft <sup>2</sup> ·°F]										
Climate Zone	0, 1, 2	3A	3B	3C	4A, 4B	4C, 5C	5A, 5B	6	7	8
U-COG Value	0.13	0.15	0.15	0.14	0.15	0.15	0.15	0.15	0.15	0.15
SHGC-COG   Center of Glass Solar Heat Gain Coefficient, All Climate Zones								0.36		

Frame Parameters	Left Jamb	Right Jamb	Head	Sill
<b>Frame Section</b>	<b>Left</b>	<b>Right</b>	<b>Top</b>	<b>Bottom</b>
Frame Width	3.31"	3.31"	3.31"	4.13"
Frame U-Value [Btu/hr·ft <sup>2</sup> ·°F]	0.27	0.27	0.27	0.26
Glazing-to-Frame Psi Value [Btu/hr·ft·°F]	0.0067	0.0067	0.0062	0.0068
<b>Frame-to-Wall Psi Value</b> is dependent on the on-site installation condition. (See Phius Guidebook for more details.)				



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**PRODUCT INFORMATION**

<b>Product Name:</b> Andersen A-Series Casement	
<b>Manufacturer:</b> Andersen Corp	<b>Primary Frame Material:</b> Wood
<b>Series:</b> A-Series	<b>Fixed or Operable:</b> Operable
<b>Model:</b> A-Series Casement	<b>Operation Type:</b> Casement
<b>NFRC CPD #:</b> AND-N-86-03765-00001	

**IGU DETAILS**

<b>Glazing Name:</b> LowE HP+Heatlock Triple Pane with Argon		
<b>Glass Layers:</b> Triple	<b>Gas Fill:</b> Argon	<b>Spacer:</b> Cardinal XL Edge

**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 <sup>2</sup> K]										
Climate Zone	0, 1, 2	3A	3B	3C	4A, 4B	4C, 5C	5A, 5B	6	7	8
Recommended Zones	✓	✓	✓	✓		✓				
U-Whole-Window	1.08	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13
Modeled Size [W × H]	0.60 m × 1.50 m				SHGC, Whole Window: 0.23			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 <sup>2</sup> K]										
Climate Zone	0, 1, 2	3A	3B	3C	4A, 4B	4C, 5C	5A, 5B	6	7	8
U-COG Value	0.75	0.83	0.83	0.82	0.83	0.83	0.83	0.83	0.83	0.83
SHGC-COG   Center of Glass Solar Heat Gain Coefficient, All Climate Zones								0.36		

Frame Parameters	Left Jamb	Right Jamb	Head	Sill
<b>Frame Section</b>	<b>Left</b>	<b>Right</b>	<b>Top</b>	<b>Bottom</b>
<b>Frame Width</b>	84 mm	84 mm	84 mm	105 mm
<b>Frame U-Value</b> [W/m <sup>2</sup> K]	1.53	1.51	1.55	1.50
<b>Glazing-to-Frame Psi Value</b> [W/mK]	0.0116	0.0116	0.0109	0.0118
<b>Frame-to-Wall Psi Value</b> is dependent on the on-site installation condition. <i>(See Phius Guidebook for more details.)</i>				