



Phius Product Number: W-102114
Date Last Certified: 09/18/2024
THERM Files Available: No

Phius Certification Path: Orange Path
Valid Through: 09/18/2026
Air Leakage Test Data Available: No



PRODUCT INFORMATION	
Product Name: Amberline 76mm Renovation Dual Action Window	
Manufacturer: Amberline Windows & Doors	Primary Frame Material: Vinyl
Series: 76mm Renovation	Fixed or Operable: Operable
Model: 76mm Renovation Dual Action Window	Operation Type: Dual Action Tilt Turn

IGU DETAILS		
Glazing Name: TH 1.1 / TH 1.1		
Glass Layers: Triple	Gas Fill: Argon	Spacer: ALU-PRO MULTITECH G

RECOMMENDED CLIMATE ZONES <i>(NOTE: This information is not for use in building energy models. See next section.)</i>										
Recommended Climate Zones and Whole-Window U-values by Zone, at Standard Model Size [Btu/hr·ft ² ·°F]										
Climate Zone	0, 1, 2	3A	3B	3C	4A, 4B	4C, 5C	5A, 5B	6	7	8
Recommended Zones					✓	✓	✓			
U-Whole-Window	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.16	0.16	0.17
Modeled Size [W×H]	47.24" × 59.06"			SHGC, Whole Window: 0.35			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 ² ·°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								0.53		

Frame Parameters	Left Jamb	Right Jamb	Head	Sill
Frame Section	Left	Right	Top	Bottom
Frame Width	4.92"	4.92"	4.92"	4.92"
Frame U-Value [Btu/hr·ft ² ·°F]	0.22	0.22	0.22	0.22
Glazing-to-Frame Psi Value [Btu/hr·ft ² ·°F]	0.0138	0.0138	0.0137	0.0137

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



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RECOMMENDED CLIMATE ZONES <i>(NOTE: This information is not for use in building energy models. See next section.)</i>										
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	0.85	0.86	0.86	0.87	0.86	0.86	0.88	0.89	0.92	0.94
Modeled Size [W x H]	1.20 m x 1.50 m			SHGC, Whole Window: 0.35			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	0.56	0.58	0.58	0.58	0.58	0.57	0.60	0.61	0.67	0.70
SHGC-COG Center of Glass Solar Heat Gain Coefficient, All Climate Zones								0.53		

Frame Parameters	Left Jamb	Right Jamb	Head	Sill
Frame Section	Left	Right	Top	Bottom
Frame Width	125 mm	125 mm	125 mm	125 mm
Frame U-Value [W/m²K]	1.25	1.25	1.25	1.25
Glazing-to-Frame Psi Value [W/mK]	0.024	0.024	0.0238	0.0238

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