



Phius Product Number: W-102605
Date Last Certified: 02/26/26
THERM Files Available: No

Phius Certification Path: Blue Path
Valid Through: 03/17/30
Air Leakage Test Data Available: No



PRODUCT INFORMATION

Product Name: Quaker V500 Awning Inswing (Hopper)	
Manufacturer: Quaker Windows & Doors	Primary Frame Material: Vinyl
Series: V500	Fixed or Operable: Operable
Model: V500 Awning Inswing (Hopper)	Operation Type: Awning
NFRC CPD #: QWP-M-156-01045-00001	

IGU DETAILS

Glazing Name: 5mm 366 ARG 5mm 180 ARG 5mm i89- 1 3/8" IG		
Glass Layers: Triple	Gas Fill: Argon	Spacer: Quanex Super Spacer Premium

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	0.19	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
Modeled Size [W×H]	59.06" × 23.62"		SHGC, Whole Window: 0.10				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	0.11	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								0.23		

Frame Parameters	Left Jamb	Right Jamb	Head	Sill
Frame Section	Left	Right	Top	Bottom
Frame Width	5.51"	5.51"	5.51"	5.51"
Frame U-Value [Btu/hr·ft ² ·°F]	0.25	0.25	0.25	0.25
Glazing-to-Frame Psi Value [Btu/hr·ft·°F]	0.0039	0.0039	0.0042	0.0042
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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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	1.10	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12
Modeled Size [W × H]	1.50 m × 0.60 m				SHGC, Whole Window: 0.10			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	0.63	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.69
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	140 mm	140 mm	140 mm	140 mm
Frame U-Value [W/m²K]	1.40	1.40	1.41	1.41
Glazing-to-Frame Psi Value [W/mK]	0.0068	0.0068	0.0074	0.0074
Frame-to-Wall Psi Value is dependent on the on-site installation condition. <i>(See Phius Guidebook for more details.)</i>				