



Phius Product Number: W-101546
Date Last Certified: 08/15/23
THERM Files Available: No

Phius Certification Path: Blue Path
Valid Through: 05/17/29
Air Leakage Test Data Available: No



PRODUCT INFORMATION

Product Name: Kohltech Supreme Double Hung	
Manufacturer: Kohltech Windows & Entrance Systems	Primary Frame Material: Vinyl
Series: Supreme	Fixed or Operable: Operable
Model: Supreme Double Hung	Operation Type: Double Hung
Number of Lites: Two-Lite	Two-Lite Orientation: Vertical
NFRC CPD #: KOI-A-9-00166-00001	

IGU DETAILS

Glazing Name: 8071 surfaces 3 & 5, Arg95, 1-3/8" OA		
Glass Layers: Triple	Gas Fill: Argon	Spacer: Tremco EnerEDGE

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	0.18
Modeled Size [W×H]	47.24" × 59.06"		SHGC, Whole Window: 0.51				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	0.14	0.14	0.14	0.14	0.13	0.13	0.13	0.13	0.13	0.14
SHGC-COG Center of Glass Solar Heat Gain Coefficient, All Climate Zones								0.61		

Frame Parameters	Upper Left Jamb	Upper Right Jamb	Head	Upper Meeting Rail
Frame Section	Left	Right	Top	Bottom
Frame Width	2.80"	2.80"	2.80"	0.71"
Frame U-Value [Btu/hr·ft ² ·°F]	0.28	0.28	0.22	1.06
Glazing-to-Frame Psi Value [Btu/hr·ft ² ·°F]	0.0098	0.0098	0.0090	0.0176

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

Frame Parameters, Lite-Two	Lower Left Jamb	Lower Right Jamb	Lower Meeting Rail	Sill
Frame Section	Left	Right	Top	Bottom
Frame Width	2.80"	2.80"	0.71"	3.31"
Frame U-Value [Btu/hr·ft ² ·°F]	0.26	0.26	0.20	0.24
Glazing-to-Frame Psi Value [Btu/hr·ft ² ·°F]	0.0076	0.0082	0.0025	0.0082

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

For vertical two-lite products, assume Lite One is on top and Light Two is on the bottom. The sill of Lite One is the upper meeting rail. The head of Lite Two is the lower meeting rail. | 04/23/2026



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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/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	1.03	1.02	1.02	1.02	1.01	1.02	1.01	1.01	1.01	1.02
Modeled Size [W × H]	1.20 m × 1.50 m		SHGC, Whole Window: 0.51				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	0.78	0.77	0.77	0.77	0.76	0.76	0.76	0.76	0.76	0.77
SHGC-COG Center of Glass Solar Heat Gain Coefficient, All Climate Zones								0.61		

Frame Parameters	Upper Left Jamb	Upper Right Jamb	Head	Upper Meeting Rail
Frame Section	Left	Right	Top	Bottom
Frame Width	71 mm	71 mm	71 mm	18 mm
Frame U-Value [W/m ² K]	1.57	1.57	1.25	5.99
Glazing-to-Frame Psi Value [W/mK]	0.017	0.017	0.0157	0.0305

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

Frame Parameters, Lite-Two	Lower Left Jamb	Lower Right Jamb	Lower Meeting Rail	Sill
Frame Section	Left	Right	Top	Bottom
Frame Width	71 mm	71 mm	18 mm	84 mm
Frame U-Value [W/m ² K]	1.50	1.50	1.12	1.34
Glazing-to-Frame Psi Value [W/mK]	0.0133	0.0143	0.0044	0.0143

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

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