



Phius Product Number: W-101746
Date Last Certified: 11/05/2023
THERM Files Available: No

Phius Certification Path: Blue Path
Valid Through: 11/05/2025
Air Leakage Test Data Available: No



PRODUCT INFORMATION

Product Name: Kommerling USA 88mm Dual Action Window	
Manufacturer: Kommerling USA	Primary Frame Material: Vinyl
Series: 88mm	Fixed or Operable: Operable
Model: 88mm Dual Action Window	Operation Type: Dual Action Tilt Turn
NFRC CPD #: KOM-K-9-00167-00001	

IGU DETAILS

Glazing Name: LoE452 on 5 mm Clear/12.7 mm 90% Krypton/LoE452 on 5 mm Clear/12.7 mm 90% Krypton/x89 on Clear 5mm		
Glass Layers: Triple	Gas Fill: Krypton	Spacer: Kommerling Aluminum Spacer

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	0.14	0.14	0.14	0.14	0.14	0.14	0.15	0.15	0.15	0.16
Modeled Size [W×H]	47.24" × 59.06"		SHGC, Whole Window: 0.11				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	0.07	0.07	0.07	0.07	0.07	0.07	0.08	0.08	0.09	0.09
SHGC-COG Center of Glass Solar Heat Gain Coefficient, All Climate Zones								0.16		

Frame Parameters	Left Jamb	Right Jamb	Head	Sill
Frame Section	Left	Right	Top	Bottom
Frame Width	4.65"	4.65"	4.65"	4.65"
Frame U-Value [Btu/hr·ft²·°F]	0.26	0.26	0.26	0.26
Glazing-to-Frame Psi Value [Btu/hr·ft²·°F]	0.0115	0.0115	0.0116	0.0116
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/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	0.78	0.80	0.80	0.79	0.81	0.80	0.83	0.84	0.87	0.89
Modeled Size [W × H]	1.20 m × 1.50 m		SHGC, Whole Window: 0.11				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	0.37	0.40	0.40	0.39	0.42	0.40	0.44	0.45	0.50	0.54
SHGC-COG Center of Glass Solar Heat Gain Coefficient, All Climate Zones								0.16		

Frame Parameters	Left Jamb	Right Jamb	Head	Sill
Frame Section	Left	Right	Top	Bottom
Frame Width	118 mm	118 mm	118 mm	118 mm
Frame U-Value [W/m²K]	1.50	1.50	1.48	1.47
Glazing-to-Frame Psi Value [W/mK]	0.02	0.02	0.0201	0.0201

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