phius certified product

Phius Product Number: W-101324
Date Last Certified: 08/15/2023
THERM Files Available: No

Phius Certification Path: Blue Path
Valid Through: 08/15/2025
Air Leakage Test Data Available: No

PRODUCT INFORMATION

Product Name: Kommerling 76MD Tilt Turn	
Manufacturer: Kommerling USA	**Primary Frame Material:** Vinyl
Series: 76MD	**Fixed or Operable:** Operable
Model: 76MD Tilt & Turn	**Operation Type:** Dual Action Tilt Turn
NFRC CPD #: KOM-K-3-00068-00001	

IGU DETAILS

Glazing Name: 5mm SB60 CLEAR #2/AIR/5 mm CLEAR/AIR/5 mm CLEAR		
Glass Layers: Triple	**Gas Fill:** Air	**Spacer:** Kommerling A1-D - Anodized Aluminum

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	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25

Modeled Size [W×H] 47.24" × 59.06" **SHGC, Whole Window:** 0.24 **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	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.22

SHGC-COG | Center of Glass Solar Heat Gain Coefficient, All Climate Zones	0.36

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]	0.27	0.27	0.27	0.27
Glazing-to-Frame Psi Value [Btu/hr•ft•°F]	0.0205	0.0205	0.0201	0.0205

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

phius certified product

Phius Product Number: W-101324
Date Last Certified: 08/15/2023
THERM Files Available: No

Phius Certification Path: Blue Path
Valid Through: 08/15/2025
Air Leakage Test Data Available: No

PRODUCT INFORMATION

Product Name: Kommerling 76MD Tilt Turn	
Manufacturer: Kommerling USA	**Primary Frame Material:** Vinyl
Series: 76MD	**Fixed or Operable:** Operable
Model: 76MD Tilt & Turn	**Operation Type:** Dual Action Tilt Turn
NFRC CPD #: KOM-K-3-00068-00001	

IGU DETAILS

Glazing Name: 5mm SB60 CLEAR #2/AIR/5 mm CLEAR/AIR/5 mm CLEAR		
Glass Layers: Triple	**Gas Fill:** Air	**Spacer:** Kommerling A1-D - Anodized Aluminum

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	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.42

Modeled Size [W ×H] 1.20 m × 1.50 m **SHGC, Whole Window:** 0.24 **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	1.21	1.21	1.21	1.21	1.20	1.21	1.20	1.20	1.21	1.23

SHGC-COG | Center of Glass Solar Heat Gain Coefficient, All Climate Zones	0.36

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]	1.55	1.55	1.52	1.53
Glazing-to-Frame Psi Value [W/mK]	0.0355	0.0355	0.0348	0.0355

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