



Phius Product Number: W-101326
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-3-00070-00001 | |

IGU DETAILS

| | | |
|--|----------------------|--|
| Glazing Name: 5mm SB60 CLEAR #2/AIR/5mm SB60 CLEAR #4/AIR/5mm 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 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 |
| Modeled Size [W×H] | 47.24" × 59.06" | | | | SHGC, Whole Window: 0.21 | | | 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 | 0.16 | 0.16 | 0.16 | 0.16 | 0.16 | 0.16 | 0.16 | 0.16 | 0.16 | 0.16 |
| SHGC-COG Center of Glass Solar Heat Gain Coefficient, All Climate Zones | | | | | | | | 0.31 | | |

| 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·ft ² ·°F] | 0.27 | 0.27 | 0.27 | 0.27 |
| Glazing-to-Frame Psi Value [Btu/hr·ft·°F] | 0.0217 | 0.0217 | 0.0213 | 0.0217 |
| Frame-to-Wall Psi Value is dependent on the on-site installation condition. <i>(See Phius Guidebook for more details.)</i> | | | | |



Phius Product Number: W-101326
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-3-00070-00001 | |

IGU DETAILS

| | | |
|--|----------------------|--|
| Glazing Name: 5mm SB60 CLEAR #2/AIR/5mm SB60 CLEAR #4/AIR/5mm 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/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 | 1.20 | 1.19 | 1.19 | 1.19 | 1.19 | 1.19 | 1.19 | 1.19 | 1.19 | 1.20 |
| Modeled Size [W × H] | 1.20 m × 1.50 m | | | | SHGC, Whole Window: 0.21 | | | 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 | 0.89 | 0.89 | 0.89 | 0.89 | 0.89 | 0.89 | 0.88 | 0.88 | 0.88 | 0.89 |
| SHGC-COG Center of Glass Solar Heat Gain Coefficient, All Climate Zones | | | | | | | | 0.31 | | |

| 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/m ² K] | 1.56 | 1.56 | 1.53 | 1.53 |
| Glazing-to-Frame Psi Value [W/mK] | 0.0377 | 0.0377 | 0.037 | 0.0376 |
| Frame-to-Wall Psi Value is dependent on the on-site installation condition. (See Phius Guidebook for more details.) | | | | |