



Phius Product Number: W-102069
Date Last Certified: 09/10/2024
THERM Files Available: No

Phius Certification Path: Orange Path
Valid Through: 09/10/2026
Air Leakage Test Data Available: No



PRODUCT INFORMATION

Product Name: Viking DK 22 Aluclad Operable Casement

Manufacturer: Viking Window AS

Primary Frame Material: Aluminum Clad Wood

Series: DK22

Fixed or Operable: Operable

Model: DK 22 Aluclad Operable Casement

Operation Type: Casement

IGU DETAILS

Glazing Name: 52mm 3-pane IGU // 6tghSKN154-6-6tghLowE; 16&18mm Ar90%

Glass Layers: Triple

Gas Fill: Argon

Spacer: SWISSPACER ULTIMATE

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	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.17

Modeled Size [W×H]

23.62" × 59.06"

SHGC, Whole Window: 0.14

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	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.11	0.11

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

0.25

Frame Parameters	Left Jamb	Right Jamb	Head	Sill
Frame Section	Left	Right	Top	Bottom
Frame Width	4.29"	4.29"	4.29"	5.00"
Frame U-Value [Btu/hr·ft ² ·°F]	0.20	0.20	0.20	0.23
Glazing-to-Frame Psi Value [Btu/hr·ft·°F]	0.0108	0.0108	0.0107	0.0114
Frame-to-Wall Psi Value is dependent on the on-site installation condition. (See Phius Guidebook for more details.)				



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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	0.90	0.90	0.90	0.90	0.89	0.90	0.90	0.90	0.93	0.95

Modeled Size [W × H]

0.60 m × 1.50 m

SHGC, Whole Window: 0.14

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	0.57	0.55	0.55	0.56	0.55	0.55	0.55	0.56	0.62	0.65

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

0.25

Frame Parameters	Left Jamb	Right Jamb	Head	Sill
Frame Section	Left	Right	Top	Bottom
Frame Width	109 mm	109 mm	109 mm	127 mm
Frame U-Value [W/m ² K]	1.11	1.11	1.11	1.30
Glazing-to-Frame Psi Value [W/mK]	0.0187	0.0187	0.0186	0.0199
Frame-to-Wall Psi Value is dependent on the on-site installation condition. (See Phius Guidebook for more details.)				