



Phius Product Number: W-101479
Date Last Certified: 08/15/2023
THERM Files Available: No

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



PRODUCT INFORMATION

Product Name: Peerless G863 Casement-Fixed Option 4

Manufacturer: Peerless Products Inc

Primary Frame Material: Aluminum

Series: G863

Fixed or Operable: Combination

Model: G863 Casement-Fixed Option 4

Operation Type: Combination Unit

Number of Lites: Two-Lite

Two-Lite Orientation: Horizontal

IGU DETAILS

Glazing Name: 5.7mm LoE-366 (#2) / 13.0 / 5.7mm LoE-180 (#4) / 13.0 / 5.7mm LoE-i89 (#6)

Glass Layers: Triple

Gas Fill: Argon

Spacer: Cardinal XL Edge

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	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19
Modeled Size [W×H]	70.87" × 59.06"				SHGC, Whole Window: 0.19			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	0.12	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.12

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

0.23

Frame Parameters	Left Jamb	Right Meeting Rail	Left Head	Left Sill
Frame Section	Left	Right	Top	Bottom
Frame Width	3.07"	1.97"	3.07"	3.07"
Frame U-Value [Btu/hr·ft ² ·°F]	0.43	0.25	0.43	0.43
Glazing-to-Frame Psi Value [Btu/hr·ft·°F]	0.0208	0.0347	0.0192	0.0208

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

Frame Parameters, Lite-Two	Left Meeting Rail	Right Jamb	Right Head	Right Sill
Frame Section	Left	Right	Top	Bottom
Frame Width	1.73"	1.97"	1.73"	1.73"
Frame U-Value [Btu/hr·ft ² ·°F]	0.35	0.41	0.41	0.41
Glazing-to-Frame Psi Value [Btu/hr·ft·°F]	0.0236	0.0236	0.0216	0.0264

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

For horizontal two-lite products, assume Lite One is on the left and Lite Two is on the right. The right jamb of Lite One is the right meeting rail. The left jamb of Lite Two is the left meeting rail. | 10/24/2023



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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	1.10	1.09	1.09	1.09	1.09	1.09	1.09	1.09	1.09	1.10
Modeled Size [W × H]	1.80 m × 1.50 m				SHGC, Whole Window: 0.19			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	0.66	0.65	0.65	0.65	0.65	0.65	0.64	0.64	0.65	0.66
SHGC-COG Center of Glass Solar Heat Gain Coefficient, All Climate Zones								0.23		

Frame Parameters	Left Jamb	Right Meeting Rail	Left Head	Left Sill
Frame Section	Left	Right	Top	Bottom
Frame Width	78 mm	50 mm	78 mm	78 mm
Frame U-Value [W/m ² K]	2.43	1.40	2.42	2.43
Glazing-to-Frame Psi Value [W/mK]	0.036	0.0601	0.0334	0.036

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

Frame Parameters, Lite-Two	Left Meeting Rail	Right Jamb	Right Head	Right Sill
Frame Section	Left	Right	Top	Bottom
Frame Width	44 mm	50 mm	44 mm	44 mm
Frame U-Value [W/m ² K]	2.01	2.35	2.35	2.35
Glazing-to-Frame Psi Value [W/mK]	0.0409	0.0409	0.0375	0.0458

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

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