



**Phius Product Number:** W-101687  
**Date Last Certified:** 10/03/2023  
**THERM Files Available:** No

**Phius Certification Path:** Orange Path  
**Valid Through:** 01/31/2028  
**Air Leakage Test Data Available:** No



## PRODUCT INFORMATION

**Product Name:** VETTA Elite E92 Operable Window

**Manufacturer:** VETTA Windows and Doors

**Primary Frame Material:** Aluminum Clad Wood

**Series:** Elite E92

**Fixed or Operable:** Operable

**Model:** Operable Window

**Operation Type:** Casement

## IGU DETAILS

**Glazing Name:** ZERO #2 #5 – 4 EF | 18 Ar 90 | 4 EF | 18 Ar 90 | 4 EF

**Glass Layers:** Triple

**Gas Fill:** Argon

**Spacer:** ALU-PRO MULTITECH G

## 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·ft<sup>2</sup>·°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: 0.17 |      |        |        | 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·ft<sup>2</sup>·°F]**

| Climate Zone                                                                     | 0, 1, 2 | 3A   | 3B   | 3C   | 4A, 4B | 4C, 5C | 5A, 5B | 6    | 7    | 8    |
|----------------------------------------------------------------------------------|---------|------|------|------|--------|--------|--------|------|------|------|
| U-COG Value                                                                      | 0.09    | 0.09 | 0.09 | 0.09 | 0.09   | 0.09   | 0.10   | 0.10 | 0.11 | 0.12 |
| <b>SHGC-COG   Center of Glass Solar Heat Gain Coefficient, All Climate Zones</b> |         |      |      |      |        |        |        | 0.35 |      |      |

| Frame Parameters                                                                                                    | Left Jamb | Right Jamb | Head   | Sill   |
|---------------------------------------------------------------------------------------------------------------------|-----------|------------|--------|--------|
| Frame Section                                                                                                       | Left      | Right      | Top    | Bottom |
| Frame Width                                                                                                         | 4.76"     | 4.76"      | 4.76"  | 5.55"  |
| Frame U-Value [Btu/hr·ft <sup>2</sup> ·°F]                                                                          | 0.19      | 0.19       | 0.19   | 0.22   |
| Glazing-to-Frame Psi Value [Btu/hr·ft·°F]                                                                           | 0.0098    | 0.0098     | 0.0098 | 0.0095 |
| Frame-to-Wall Psi Value is dependent on the on-site installation condition. (See Phius Guidebook for more details.) |           |            |        |        |



**Phius Product Number:** W-101687  
**Date Last Certified:** 10/03/2023  
**THERM Files Available:** No

**Phius Certification Path:** Orange Path  
**Valid Through:** 01/31/2028  
**Air Leakage Test Data Available:** No



## PRODUCT INFORMATION

**Product Name:** VETTA Elite E92 Operable Window

**Manufacturer:** VETTA Windows and Doors

**Primary Frame Material:** Aluminum Clad Wood

**Series:** Elite E92

**Fixed or Operable:** Operable

**Model:** Operable Window

**Operation Type:** Casement

## IGU DETAILS

**Glazing Name:** ZERO #2 #5 – 4 EF | 18 Ar 90 | 4 EF | 18 Ar 90 | 4 EF

**Glass Layers:** Triple

**Gas Fill:** Argon

**Spacer:** ALU-PRO MULTITECH G

## 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<sup>2</sup>K]**

| Climate Zone         | 0, 1, 2         | 3A   | 3B                       | 3C   | 4A, 4B | 4C, 5C | 5A, 5B                   | 6    | 7    | 8    |
|----------------------|-----------------|------|--------------------------|------|--------|--------|--------------------------|------|------|------|
| Recommended Zones    | ✓               | ✓    | ✓                        | ✓    | ✓      | ✓      | ✓                        |      |      |      |
| U-Whole-Window       | 0.89            | 0.88 | 0.88                     | 0.89 | 0.88   | 0.88   | 0.89                     | 0.90 | 0.93 | 0.95 |
| Modeled Size [W × H] | 0.60 m × 1.50 m |      | SHGC, Whole Window: 0.17 |      |        |        | 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<sup>2</sup>K]

| Climate Zone | 0, 1, 2 | 3A   | 3B   | 3C   | 4A, 4B | 4C, 5C | 5A, 5B | 6    | 7    | 8    |
|--------------|---------|------|------|------|--------|--------|--------|------|------|------|
| U-COG Value  | 0.53    | 0.53 | 0.52 | 0.53 | 0.52   | 0.52   | 0.55   | 0.57 | 0.62 | 0.66 |

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

0.35

| Frame Parameters                                                                                                    | Left Jamb | Right Jamb | Head   | Sill   |
|---------------------------------------------------------------------------------------------------------------------|-----------|------------|--------|--------|
| Frame Section                                                                                                       | Left      | Right      | Top    | Bottom |
| Frame Width                                                                                                         | 121 mm    | 121 mm     | 121 mm | 141 mm |
| Frame U-Value [W/m <sup>2</sup> K]                                                                                  | 1.08      | 1.08       | 1.08   | 1.25   |
| Glazing-to-Frame Psi Value [W/mK]                                                                                   | 0.017     | 0.017      | 0.017  | 0.0166 |
| Frame-to-Wall Psi Value is dependent on the on-site installation condition. (See Phius Guidebook for more details.) |           |            |        |        |