### General Information

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Vinyl Awning Windows manufactured by Pella Corporation feature an extruded, rigid PVC (polyvinyl chloride) frame and sash with heat-fused mitered corners for a fully welded corner assembly. Awning windows meet industry standards for water infiltration and wind resistance and meet ENERGY STAR® guidelines with Low-E glass. Available colors are White or Almond.

Vinyl windows and doors are available in all 50 states. Some options listed in this manual will be designated as available only in either the East or West region of the USA. These options are designed to meet the particular market needs of the indicated area of the country.

**EAST AND WEST REGIONS**

**Replacement Frame Design**
This replacement frame is designed for applications where the old frame has been removed.

**New Construction Frame Design with Nailing Fin**
Our new construction frame features a standard integral continuous fin, adding a protective weather barrier to the frame itself and allowing for hassle-free installation. The frame also includes an accessory groove for field mullioning multiple units.

**WEST REGION ONLY**

**Replacement Flush Flange Frame Design**
The Flush Flange Frame lets you easily replace an old aluminum or steel frame window without removing the existing frame. Usually, surrounding trim, paint, wallpaper or siding is not disturbed.

**Available in West Region Only**
**PRODUCT SELECTION GUIDE**

Size and Performance Data  
East and West Regions

### SIZES

| Standard sizes | — | ● |
| Special sizes available built on 1/8” increments | ● | ● |

### FRAMES

| Nail fin for 2” wall depth | — | ● |
| Block frame - 3-3/8” frame depth | ● | — |
| Flush flange (West Region Only) | ● | — |
| Optional interior primed wood jamb extensions (East Region Only) | — | ● |

### PERFORMANCE

<table>
<thead>
<tr>
<th>Meets or Exceeds AAMA/WDMA Ratings</th>
<th>AP-R30 Hallmark Certified</th>
<th>AP-R30 Hallmark Certified</th>
</tr>
</thead>
<tbody>
<tr>
<td>Air Infiltration (cfm/ft² of frame @ 1.57 psf wind pressure)</td>
<td>0.15</td>
<td>0.15</td>
</tr>
<tr>
<td>Design Pressure</td>
<td>30 psf</td>
<td>30 psf</td>
</tr>
<tr>
<td>Water Penetration Resistance</td>
<td>4.5 psf</td>
<td>4.5 psf</td>
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<tr>
<td>Forced Entry Resistance (Minimum Security Grade)</td>
<td>20</td>
<td>20</td>
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<tr>
<td>Maximum Operating Force (lbs) (Initiate Motion/Maintain Motion)</td>
<td>10/5</td>
<td>10/5</td>
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</table>

**Sound Transmission Class and Outdoor-Indoor Transmission Class**

<table>
<thead>
<tr>
<th>Series</th>
<th>Frame Size Tested</th>
<th>Glazing System</th>
<th>Overall Glass Thickness</th>
<th>Exterior Glass Thickness</th>
<th>Interior Glass Thickness</th>
<th>STC Rating</th>
<th>OITC Rating</th>
</tr>
</thead>
<tbody>
<tr>
<td>NEW CONSTRUCTION FRAME WITH FIN – VENT</td>
<td>3-3/8” Frame Depth Vent Awning - Dual Pane Insulating Glass</td>
<td>24” x 48”</td>
<td>3/4”</td>
<td>3mm</td>
<td>3mm</td>
<td>27</td>
<td>23</td>
</tr>
<tr>
<td>NEW CONSTRUCTION FRAME WITH FIN – FIXED</td>
<td>3-3/8” Frame Depth Fixed Awning - Dual Pane Insulating Glass</td>
<td>48” x 48”</td>
<td>3/4”</td>
<td>3mm</td>
<td>3mm</td>
<td>26</td>
<td>22</td>
</tr>
</tbody>
</table>

(1) Published performance data is for single unit only. See Design Data pages in this section for specific product performance class and grade values.
(2) ASTM E 1425 defines standard sizes for acoustical testing. Ratings achieved at that size are representative of all sizes of the same configuration.
Size restrictions for units with Rain obscure glass are listed on the Special Size page of this section.
**PRODUCT SELECTION GUIDE**

**Features and Options**

**East and West Regions**

<table>
<thead>
<tr>
<th>GLAZING (3/4&quot; Insulating Glass)</th>
<th>REPLACEMENT FRAME</th>
<th>NEW CONSTRUCTION FRAME</th>
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<tr>
<td><strong>Glazing Type</strong></td>
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<tr>
<td>Dual-pane insulating glass</td>
<td>S</td>
<td>S</td>
</tr>
<tr>
<td><strong>Insulated Glass Options / Low-E Types</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Advanced Low-E</td>
<td>O</td>
<td>O</td>
</tr>
<tr>
<td>NaturalSun Low-E</td>
<td>O</td>
<td>O</td>
</tr>
<tr>
<td>SunDefense™ Low-E</td>
<td>O</td>
<td>O</td>
</tr>
<tr>
<td>Clear (no Low-E coating)</td>
<td>S</td>
<td>S</td>
</tr>
<tr>
<td><strong>Additional Glass Options</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Annealed glass</td>
<td>S</td>
<td>S</td>
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<tr>
<td>Tempered glass</td>
<td>O</td>
<td>O</td>
</tr>
<tr>
<td>Obscure glass</td>
<td>O</td>
<td>O</td>
</tr>
<tr>
<td>Bronze tinted glass</td>
<td>O</td>
<td>O</td>
</tr>
<tr>
<td><strong>Gas Fill / High Altitude</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Argon</td>
<td>O</td>
<td>O</td>
</tr>
<tr>
<td>High altitude (West only)</td>
<td>O</td>
<td>O</td>
</tr>
<tr>
<td>High altitude with argon (West only)</td>
<td>O</td>
<td>O</td>
</tr>
<tr>
<td><strong>INTERIOR / EXTERIOR COLOR</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>White</td>
<td>S</td>
<td>S</td>
</tr>
<tr>
<td>Almond</td>
<td>O</td>
<td>O</td>
</tr>
<tr>
<td><strong>GRILLES-BETWEEN-THE-GLASS</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Grille Types</strong></td>
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<tr>
<td>3/4&quot; Contour</td>
<td>O</td>
<td>O</td>
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<tr>
<td>1&quot; Contour (East Region Only)</td>
<td>O</td>
<td>O</td>
</tr>
<tr>
<td>5/8&quot; Flat (West Region Only)</td>
<td>O</td>
<td>O</td>
</tr>
<tr>
<td><strong>Grille Patterns</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Traditional</td>
<td>O</td>
<td>O</td>
</tr>
<tr>
<td>9-Lite Prairie</td>
<td>O</td>
<td>O</td>
</tr>
<tr>
<td>Top Row</td>
<td>O</td>
<td>O</td>
</tr>
</tbody>
</table>

*S = Standard; O = Optional
(1) Obscure glass patterns vary based on region.*
### Encompass by Pella®

#### GLAZING PERFORMANCE – TOTAL UNIT

**East and West Regions**

<table>
<thead>
<tr>
<th>Glass Thickness</th>
<th>Type of Glazing</th>
<th>NFRC Certified Product #</th>
<th>Glass (mm)</th>
<th>Gap Fill</th>
<th>Performance Values</th>
<th>Shaded Areas Meet ENERGY STAR® Performance Criteria in Zones Shown</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Ext.</td>
<td>Int.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>N</td>
<td>NC</td>
</tr>
<tr>
<td>3/4&quot;</td>
<td>Clear IG</td>
<td>PEL-N-145-00041-00001</td>
<td>3 3</td>
<td>air</td>
<td>0.41</td>
<td>0.49</td>
</tr>
<tr>
<td></td>
<td>with Grilles-between-the-glass</td>
<td>PEL-N-145-00041-00002</td>
<td></td>
<td></td>
<td>0.41</td>
<td>0.44</td>
</tr>
<tr>
<td>3/4&quot;</td>
<td>Advanced Low-E IG</td>
<td>PEL-N-145-00044-00001</td>
<td>3 3</td>
<td>air</td>
<td>0.30</td>
<td>0.24</td>
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<tr>
<td></td>
<td>with Grilles-between-the-glass</td>
<td>PEL-N-145-00044-00002</td>
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<td></td>
<td>0.30</td>
<td>0.22</td>
</tr>
<tr>
<td>3/4&quot;</td>
<td>Advanced Low-E IG</td>
<td>PEL-N-145-00049-00001</td>
<td>3 3</td>
<td>argon</td>
<td>0.27</td>
<td>0.23</td>
</tr>
<tr>
<td></td>
<td>with Grilles-between-the-glass</td>
<td>PEL-N-145-00049-00002</td>
<td></td>
<td></td>
<td>0.27</td>
<td>0.21</td>
</tr>
<tr>
<td>3/4&quot;</td>
<td>NaturalSun Low-E IG</td>
<td>PEL-N-145-00042-00001</td>
<td>3 3</td>
<td>air</td>
<td>0.30</td>
<td>0.41</td>
</tr>
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<td>with Grilles-between-the-glass</td>
<td>PEL-N-145-00042-00002</td>
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<td></td>
<td>0.30</td>
<td>0.37</td>
</tr>
<tr>
<td>3/4&quot;</td>
<td>NaturalSun Low-E IG</td>
<td>PEL-N-145-00047-00001</td>
<td>3 3</td>
<td>argon</td>
<td>0.27</td>
<td>0.41</td>
</tr>
<tr>
<td></td>
<td>with Grilles-between-the-glass</td>
<td>PEL-N-145-00047-00002</td>
<td></td>
<td></td>
<td>0.27</td>
<td>0.37</td>
</tr>
<tr>
<td>3/4&quot;</td>
<td>SunDefense™ Low-E IG</td>
<td>PEL-N-145-00046-00001</td>
<td>3 3</td>
<td>air</td>
<td>0.29</td>
<td>0.18</td>
</tr>
<tr>
<td></td>
<td>with Grilles-between-the-glass</td>
<td>PEL-N-145-00046-00002</td>
<td></td>
<td></td>
<td>0.29</td>
<td>0.16</td>
</tr>
<tr>
<td>3/4&quot;</td>
<td>SunDefense™ Low-E IG</td>
<td>PEL-N-145-00051-00001</td>
<td>3 3</td>
<td>argon</td>
<td>0.26</td>
<td>0.18</td>
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<td></td>
<td>0.26</td>
<td>0.16</td>
</tr>
<tr>
<td>3/4&quot;</td>
<td>Bronze Advanced Low-E IG</td>
<td>PEL-N-145-00049-00003</td>
<td>3 3</td>
<td>argon</td>
<td>0.27</td>
<td>0.23</td>
</tr>
<tr>
<td></td>
<td>with Grilles-between-the-glass</td>
<td>PEL-N-145-00049-00004</td>
<td></td>
<td></td>
<td>0.27</td>
<td>0.21</td>
</tr>
</tbody>
</table>

R-Value = 1/U-Factor  
SHGC = Solar Heat Gain Coefficient  
VLT % = Visible Light Transmission  
CR = Condensation Resistance

(1) Glazing performance values are calculated based on NFRC 100, NFRC 200 and NFRC 500. ENERGY STAR® values are updated to 2016 (Version 6) criteria.  
(2) The values shown are based on Canada’s updated ENERGY STAR® 2015 initiative. For more information, see the ENERGY STAR guidelines.
**GRILLE TYPES**
Grilles-Between-the-Glass
East and West Regions

### Grille Profiles

<table>
<thead>
<tr>
<th>(WEST REGION ONLY)</th>
<th>(EAST AND WEST REGION)</th>
<th>(EAST REGION ONLY)</th>
</tr>
</thead>
<tbody>
<tr>
<td>5/8&quot; Flat Grille</td>
<td>3/4&quot; Contour Grille</td>
<td>1&quot; Contour Grille</td>
</tr>
</tbody>
</table>

### Grille Patterns

**GRILLES-BETWEEN-THE-GLASS**

- 9-Lite Prairie
- Traditional

**Traditional**
- Specify number of lites.
- Must be equally divided on visible glass.
- Minimum 6" x 6" center-to-center.

### Standard Traditional Grille Breakpoints

**ACTUAL FRAME WIDTHS**

<table>
<thead>
<tr>
<th>ACTUAL FRAME WIDTHS</th>
<th>1-Wide</th>
<th>2-Wide</th>
<th>3-Wide</th>
<th>4-Wide</th>
<th>5-Wide</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>&lt; 17-1/2&quot;</td>
<td>17-1/2&quot; to 32-3/8&quot;</td>
<td>32-1/2&quot; to 44-1/2&quot;</td>
<td>44-5/8&quot; to 56-1/2&quot;</td>
<td>56-5/8&quot; to 59-1/2&quot;</td>
</tr>
</tbody>
</table>

- 1-High
- 2-High
- 3-High
- 3-High: 32-5/8" to 35-1/2"
## SPECIAL SIZE FRAME DIMENSIONS

### East and West Regions

<table>
<thead>
<tr>
<th>SINGLE VENT UNIT</th>
<th>SINGLE FIXED UNIT</th>
<th>2-WIDE VENT COMPOSITE</th>
</tr>
</thead>
</table>
| **MINIMUM** | 19-1/2" W x 14-1/2" H  
(495 x 368) | 14-1/2" W x 14-1/2" H  
(368 x 368) | 39-1/2" W x 14-1/2" H  
(749 x 368) |
| **MAXIMUM** | 59-1/2" W x 35-1/2" H  
(1,511 x 902) | 95-1/2" W OR 95-1/2" H OR 30 ft²  
(2,911 x 85 m²) | 108" W x 35-1/2" H  
(2,743 x 902) |

### 2-HIGH VENT COMPOSITE

| MINIMUM | 19-1/2" W x 29-1/2" H  
(368 x 749) |
| MAXIMUM | 59-1/2" W x 71-1/2" H  
(1,511 x 1,816) |

### FIXED OVER VENT COMPOSITE

| MINIMUM | 19-1/2" W x 29-1/2" H  
(368 x 749) |
| MAXIMUM | 59-1/2" W x 95-1/2" H  
(1,511 x 2,911) |

---

**General Notes:**

- To convert areas to square meters (m²), multiply square feet by 0.0929.
- Rough Opening = Frame Dimension + 1/2".
- Keep frame dimensions to the nearest 1/8" increment.
- Tempered glass must measure ≥ 18-1/2" diagonally.
- If glass width to height ratio is > 5 to 1, then unit must be tempered.
- Bronze annealed glass is limited to 22 ft² glass size (actual glass).

### Rain Obscure Glass Limitations (West Region Only):

- **Single vent units:** Frame must be ≤ 10 ft² (West Only)
- **Two high or two wide vent unit composites:** Frame must be ≤ 20 ft².
- **Transom over vent composites:** Lower unit frame must be ≤ 10 ft².
- **Large Fixed over vent:** Vent frame must be ≤ 10 ft². Maximum overall composite ≤ 32 ft².

**KEY:**

- AGW = Actual Glass Width
- AGH = Actual Glass Height
- FW = Frame Width
- FH = Frame Height
- VGW = Visible Glass Width
- VGH = Visible Glass Height

### Miscellaneous Formulas

<table>
<thead>
<tr>
<th>VISIBLE GLASS</th>
<th>SINGLE VENT</th>
<th>SINGLE FIXED</th>
</tr>
</thead>
</table>
|               | VGW = FW - 7"  
VGH = FH - 7" | VGW = FW - 5-1/8"  
VGH = FH - 5-1/8" |
| ACTUAL GLASS  | AGW = FW - 6"  
AGH = FH - 6" | AGW = FW - 4-13/16"  
AGH = FH - 4-13/16" |
| VENT AREA     | ((FW - 8-1/4") x  
(FH - 5-5/8")) / 144 | |

Replacement Frame units only available in Special Sizes.
### Encompass by Pella®

#### SIZE TABLES

**3-3/8" New Construction Frame Vent and Fixed Units**

**East and West Regions**

<table>
<thead>
<tr>
<th>Opening</th>
<th>2' 0&quot;</th>
<th>3' 0&quot;</th>
<th>4' 0&quot;</th>
<th>5' 0&quot;</th>
</tr>
</thead>
<tbody>
<tr>
<td>Frame</td>
<td>23 1/2&quot;</td>
<td>35 1/2&quot;</td>
<td>47 1/2&quot;</td>
<td>59 1/2&quot;</td>
</tr>
</tbody>
</table>

**Single Vent and Fixed**

<table>
<thead>
<tr>
<th>(587)</th>
<th>(902)</th>
<th>(1207)</th>
<th>(1511)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2&quot;</td>
<td>2-01-0</td>
<td>3-01-0</td>
<td>4-01-0</td>
</tr>
<tr>
<td>3&quot;</td>
<td>2-02-0</td>
<td>3-02-0</td>
<td>4-02-0</td>
</tr>
<tr>
<td>4&quot;</td>
<td>2-02-6</td>
<td>3-02-6</td>
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<tr>
<td>5&quot;</td>
<td>2-03-0</td>
<td>3-03-0</td>
<td>4-03-0</td>
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**Single Fixed**

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<th>(1524)</th>
<th>(1511)</th>
<th>(1511)</th>
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<td>2-04-0</td>
<td>3-04-0</td>
<td>4-04-0</td>
</tr>
<tr>
<td>3&quot;</td>
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<td>2-05-0</td>
<td>3-05-0</td>
<td>4-05-0</td>
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</tbody>
</table>

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Not to scale.
**Single Fixed Over Vent Composites with Integral Mullion**

<table>
<thead>
<tr>
<th>Opening</th>
<th>Frame</th>
<th>2' 0&quot;</th>
<th>3' 0&quot;</th>
<th>4' 0&quot;</th>
<th>5' 0&quot;</th>
</tr>
</thead>
<tbody>
<tr>
<td>17 1/2&quot;</td>
<td>23 1/2&quot;</td>
<td>(610)</td>
<td>(597)</td>
<td>(1 219)</td>
<td>(1 524)</td>
</tr>
<tr>
<td>23 1/2&quot;</td>
<td>35 1/2&quot;</td>
<td>(914)</td>
<td>(902)</td>
<td>(1 207)</td>
<td>(1 511)</td>
</tr>
<tr>
<td>29 1/2&quot;</td>
<td>47 1/2&quot;</td>
<td>(1 511)</td>
<td>(1 524)</td>
<td>(1 829)</td>
<td>(1 816)</td>
</tr>
<tr>
<td>35 1/2&quot;</td>
<td>59 1/2&quot;</td>
<td>(1 219)</td>
<td>(1 207)</td>
<td>(1 372)</td>
<td>(1 359)</td>
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**Not To Scale**

East and West Regions
### SIZE TABLES

**3-3/8" New Construction Frame - Composites with Integral Mullion**

**East and West Regions**

#### 2-Wide Vent Composites with Integral Mullion

<table>
<thead>
<tr>
<th>Opening</th>
<th>Frame</th>
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<tbody>
<tr>
<td>4' 0&quot;</td>
<td>47 1/2&quot;</td>
</tr>
<tr>
<td>6' 0&quot;</td>
<td>71 1/2&quot;</td>
</tr>
<tr>
<td>8' 0&quot;</td>
<td>95 1/2&quot;</td>
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#### 2-High Vent Composites with Integral Mullion

<table>
<thead>
<tr>
<th>Opening</th>
<th>Frame</th>
</tr>
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<tbody>
<tr>
<td>2' 0&quot;</td>
<td>23 1/2&quot;</td>
</tr>
<tr>
<td>3' 0&quot;</td>
<td>35 1/2&quot;</td>
</tr>
<tr>
<td>4' 0&quot;</td>
<td>47 1/2&quot;</td>
</tr>
<tr>
<td>5' 0&quot;</td>
<td>59 1/2&quot;</td>
</tr>
</tbody>
</table>

Not To Scale
# DESIGN DATA

**3-3/8” New Construction Frame**

**East and West Regions**

## SINGLE VENT AND FIXED

<table>
<thead>
<tr>
<th>Call Out (inches)</th>
<th>Frame</th>
<th>Vent Area Ft²</th>
<th>Visible Glass Ft²</th>
<th>Standard Glass Thickness (mm)</th>
<th>Performance Class &amp; Grade</th>
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<tbody>
<tr>
<td>2-0/1-6</td>
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## SINGLE FIXED

<table>
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<tr>
<th>Call Out (inches)</th>
<th>Frame</th>
<th>Visible Glass Ft²</th>
<th>Standard Glass Thickness (mm)</th>
<th>Performance Class &amp; Grade</th>
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## SINGLE FIXED OVER VENT COMPOSITES WITH INTEGRAL MULLION

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<tr>
<th>Call Out (inches)</th>
<th>Frame</th>
<th>Bottom Unit FDH</th>
<th>Transom FDH</th>
<th>Vent Area Ft²</th>
<th>Visible Glass Ft²</th>
<th>Standard Glass Thickness (mm)</th>
<th>Performance Class &amp; Grade</th>
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</tbody>
</table>

(1) Maximum performance when glazed with the appropriate glass thickness.

To convert areas to square meters (m²), multiply square feet by 0.0929.
## DESIGN DATA

### 3-3/8” New Construction Frame - Composites with Integral Mullion

#### East and West Regions

### 2-HIGH VENT COMPOSITES WITH INTEGRAL MULLION

<table>
<thead>
<tr>
<th>Call Out</th>
<th>Frame (inches)</th>
<th>Vent Area Ft²</th>
<th>Visible Glass Ft²</th>
<th>Standard Glass Thickness (mm)</th>
<th>Performance Class &amp; Grade¹</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Width</td>
<td>Height</td>
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<td>Annealed</td>
<td>Tempered</td>
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<td>2-0/3-0</td>
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<td>35-1/2</td>
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<td>59-1/2</td>
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### 2-WIDE VENT COMPOSITES WITH INTEGRAL MULLION

<table>
<thead>
<tr>
<th>Call Out</th>
<th>Frame (inches)</th>
<th>Vent Area Ft²</th>
<th>Visible Glass Ft²</th>
<th>Standard Glass Thickness (mm)</th>
<th>Performance Class &amp; Grade¹</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>Width</td>
<td>Height</td>
<td></td>
<td>Annealed</td>
<td>Tempered</td>
</tr>
<tr>
<td>4-0/1-6</td>
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<td>3.3</td>
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<td>3</td>
</tr>
</tbody>
</table>

¹ Maximum performance when glazed with the appropriate glass thickness.

To convert areas to square meters (m²), multiply square feet by 0.0929

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### Notes:

- Maximum performance when glazed with the appropriate glass thickness.
- To convert areas to square meters (m²), multiply square feet by 0.0929.
DETAILED PRODUCT DESCRIPTIONS
East and West Regions

FRAME
- Overall frame depth: 3-3/8”.
- Frame members are extruded, rigid PVC.
- Frame members are mitered and heat-fused to provide a fully welded corner assembly.
- Frame: [new construction frame includes a continuous integral nailing fin] [Replacement Frame] [Replacement double-wall flush flange in exterior accessory groove (West region only)].
- Frame includes an accessory groove on interior and exterior.

SASH
- Sash members are extruded rigid PVC.
- Sash members are mitered and heat-fused to provide a fully welded corner assembly.

WEATHERSTRIPPING
- Vent units include vinyl clad foam weatherstrip around the perimeter of the sash and two vinyl clad foam weatherstrips around the perimeter of the frame.

GLAZING SYSTEM
- Quality float glass complying with ASTM C 1036.
- Exterior face-glazed 3/4” sealed insulating glass.
- [Clear] [Advanced Low-E coated, [with argon]] [SunDefense™ Low-E [with argon]] [bronze, Advanced Low-E coated, [with argon]]; [Standard obscure [Rain] [West region only]] [tempered] [High Altitude [with argon] (West region only)].

INTERIOR / EXTERIOR
- All window frame members have an integral color extruded throughout the profiles.
- All exposed PVC surfaces are smooth and uniform in appearance.
- Colors: [Almond] [White].

HARDWARE
- Dual lock with dual handles. Lock handles on jambs for units with frame width < 41-1/2”. Lock handles on sill for frame width ≥ 41-1/2”.
- High quality dual-arm roto-operator with fold down crank handle located on sill.
- Corrosion-resistant fasteners of PVC-compatible material.

SCREENS
- Full-size with black vinyl coated 18 / 14 mesh fiberglass screen cloth complying with ASTM D 3656 and SMA 1201.
- Set in four sided flange screen aluminum frame and fitted to interior of window.

OPTIONAL PRODUCTS
- Factory applied primed wood jamb extension for [4-9/16”] [6-9/16”] wall depth (East Region).
- Grilles
  - Grilles-Between-the-Glass
    - Insulating glass contains [3/4” contoured (East or West)] [1” contoured (East)] [5/8” flat (West)] aluminum grilles permanently installed between two panes of glass.
    - Grilles match color of interior and exterior frame.
- Hardware
  - Optional limited opening hardware available for vent units in stainless steel; nominal 3” opening.
UNIT SECTIONS
3-3/8" Replacement Frame
East and West Regions

Scale 3" = 1' 0"
All dimensions are approximate.
UNIT SECTIONS
3-3/8" Replacement Frame - Composites with Integral Mullion
East and West Regions

Scale 3" = 1' 0"
All dimensions are approximate.
UNIT SECTIONS
3-3/8" Replacement Flush Flange Frame
West Region Only

Scale 3" = 1' 0"
All dimensions are approximate.
UNIT SECTIONS
3-3/8" New Construction Frame
East and West Regions

Scale 3" = 1' 0"
Factory Applied jamb extensions are available in the East region only.
All dimensions are approximate.
UNIT SECTIONS
3-3/8" New Construction Frame - Composites with Integral Mullion
East and West Regions

Scale 3" = 1' 0"
All dimensions are approximate.