PERFORMANCE

The Series 3600 window is a thermally broken mainframe and sash that exceeds the performance specification criteria as required by ANSI/AAMA for AW (Architectural Grade) windows.

<table>
<thead>
<tr>
<th></th>
<th>Fixed</th>
<th>Single Slider</th>
</tr>
</thead>
<tbody>
<tr>
<td>AAMA Rating</td>
<td>AW-80</td>
<td>AW-50</td>
</tr>
<tr>
<td>Air Infiltration</td>
<td>0.0 CFM/ft²</td>
<td>0.24 CFM/ft²</td>
</tr>
<tr>
<td>Water</td>
<td>Over 12 psf</td>
<td>Over 10 psf</td>
</tr>
<tr>
<td>Structural</td>
<td>120 psf</td>
<td>Structural</td>
</tr>
<tr>
<td>CRF (AAMA 1503)</td>
<td>No Test</td>
<td>CRF (AAMA 1503)</td>
</tr>
<tr>
<td>Center of Glass U-Value</td>
<td>Window U-Factor ³</td>
<td>Center of Glass U-Value</td>
</tr>
<tr>
<td>BTU/ft² x F⁰ x Hr</td>
<td>47&quot; x 59&quot; x ²</td>
<td>47&quot; x 59&quot; x ²</td>
</tr>
<tr>
<td></td>
<td>60&quot; x 99&quot; x ¹</td>
<td>99&quot; x 79&quot; x ¹</td>
</tr>
<tr>
<td>0.20</td>
<td>0.34 ⁴</td>
<td>0.29 ⁴</td>
</tr>
<tr>
<td>0.24</td>
<td>0.37 ⁴</td>
<td>0.33 ⁴</td>
</tr>
<tr>
<td>0.29</td>
<td>0.41 ⁴</td>
<td>0.37 ⁴</td>
</tr>
<tr>
<td>0.34</td>
<td>0.45 ⁴</td>
<td>0.41 ⁴</td>
</tr>
<tr>
<td>0.47</td>
<td>0.55 ⁴</td>
<td>0.52 ⁴</td>
</tr>
</tbody>
</table>

This Information is based on current product design, sealed dual glazing, warm edge spacers and testing standards.

Please contact WINCO for project specific information

1 AAMA 101 Test Size
2 NFRC Gateway Test Size
3 Based on NFRC 100
4 Estimated performance
CONSTRUCTION

MATERIAL - The Series 3600 window is a 3-1/2" deep frame depth with a nominal wall thickness of 0.062 inch at the head and jamb members. The sill extrusion has a nominal wall thickness of 0.080 inch. The operable sash member is 1-5/8 inch deep with a nominal wall thickness of 0.062 inch. All material is extruded from 6063-T6 alloy.

THERMAL BREAK - All framing members of the window system are thermally broken. Winco uses the Azon Azo Brader® process to mechanically condition the surface of the thermal cavity. The process runs the entire length of the extrusion and creates serrations that insure proper adhesion of the structural polymer. The structural urethane is a high density 2 part formula providing optimum thermal performance for the most demanding conditions. The combination of the conditioning of the aluminum surface along with the two part urethane allows Winco to provide a full 10 year warranty against thermal break creep and shrinkage in accordance with AAMA 505-98.

WEATHER-STRIP - All operating sash have a heavy fin seal wool pile weather strip on the exterior for superior water and air performance. On the interior side of the sash, a rigid vinyl weatherstripping is used for ease of operation.

FABRICATION - The main frame corners are coped and mechanically joined using two stainless steel spline screws per corner (fig 1). The sash utilizes hollow tube shaped extrusions for superior strength and rigidity. The sash corners are coped and mechanically joined using two stainless steel spline screws per corner, aligning the members to form a hairline joint (fig. 2). All frame joints are back sealed with small joint sealer providing a water tight joinery.
GLAZING

The windows can be interior or exterior glazed with .050 thick extruded aluminum glazing beads accommodating thicknesses from 3/16" or 1/4" and 7/8" or 1".

<table>
<thead>
<tr>
<th>Glazing Thickness</th>
<th>1/8&quot;</th>
<th>3/16&quot;</th>
<th>1/4&quot;</th>
<th>5/16&quot;</th>
<th>3/8&quot;</th>
<th>1/2&quot;</th>
<th>9/16&quot;</th>
<th>5/8&quot;</th>
<th>3/4&quot;</th>
<th>7/8&quot;</th>
<th>1&quot;</th>
<th>1-1/4&quot;</th>
<th>1-3/8&quot;</th>
<th>1-1/2&quot;</th>
</tr>
</thead>
<tbody>
<tr>
<td>Monolithic</td>
<td>-</td>
<td>X</td>
<td>X</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
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<td>-</td>
</tr>
<tr>
<td>Insulated</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
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<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>X</td>
<td>X</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Dual Glazed</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Exterior</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
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<td>-</td>
</tr>
<tr>
<td>Interior</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
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<td>-</td>
<td>-</td>
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<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Triple Glazed</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Exterior</td>
<td>-</td>
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</tr>
<tr>
<td>Interior</td>
<td>-</td>
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<td>-</td>
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<td>-</td>
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<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

Winco has different gaskets and glazing methods that can accommodate odd thicknesses of glass. If you do not see what you are looking for within this chart please contact your local representative for information regarding your specific project needs.
HARDWARE

All exposed sweep lock hardware and keepers are solid white bronze alloy with US25D brushed finish. All exposed springloaded snap lock hardware is manufactured from extruded aluminum matching the window frame finish.

<table>
<thead>
<tr>
<th>Window Type</th>
<th>Spring Lock at Jamb</th>
<th>Spring Lock at Head</th>
<th>Spring Lock at Sill</th>
<th>Stainless Steel Wheel w/ SS Bearing</th>
<th>Nylon Wheel w/ Steel Bearing</th>
<th>Stainless Steel Track Cover</th>
<th>Sweep Lock</th>
<th>Access Control</th>
<th>Sweep Lock</th>
<th>Class 5 Sash Balance (Ultralift)</th>
<th>Limit Stop (non-removable, Extruded)</th>
<th>Limit Stop (Key-Release)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Horizontal Slider</td>
<td>X</td>
<td>-</td>
<td>-</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>O</td>
<td>-</td>
<td>O</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

X = Standard Hardware
O = Optional Hardware

SCREENS

FRAME - frames are fabricated from 6063-T6 extruded aluminum alloy and temper. All screen frames are miter cut and corner keyed. The corners are mechanically crimped together for durability. The screen frame is finished to match the window frame.

MESH - Standard .011 aluminum screen wire mesh is produced from 5154 alloy with 18x16 pattern in Charcoal or Aluminum color. All mesh is applied to the screen frame with a roller spline making for easy and quick replacements. Optional fiberglass or .009 stainless steel mesh is available as an option.
3600 Series 3-1/4" Thermal Fixed & Horizontal Sliding Windows

Product Details - Fixed - Picture Window

Note: Multiple configurations of this window system are available. Refer to the WINCO website for additional options or contact your local WINCO Sales Representative for information.

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SCALE 6"=1'-0"
Note: Multiple configurations of this window system are available. Refer to the WINCO website for additional options or contact your local WINCO Sales Representative for information.
3600 Series 3-1/4" Thermal Fixed & Horizontal Sliding Windows

Product Details - Xo / oX Slider

Note: Multiple configurations of this window system are available. Refer to the WINCO website for additional options or contact your local WINCO Sales Representative for information.
3600 Series 3-1/4" Thermal Fixed & Horizontal Sliding Windows
Product Details - Frame Options

Note: Multiple configurations of this window system are available. Refer to the WINCO website for additional options or contact your local WINCO Sales Representative for information.

Taller Sill for improved Water Resistance

Full Depth Glazing Bead (Fixed Units Only)
3600 Series 3-1/4" Thermal Fixed & Horizontal Sliding Windows
Product Details - Rail Options

Note: Multiple configurations of this window system are available. Refer to the WINCO website for additional options or contact your local WINCO Sales Representative for information.

Full Depth Glazing Bead
(Fixed Units Only)

Heavy Sash Rail for higher Wind Loads

Maximum Steel Re-enforcement shown, Actual requirement may vary

SCALE 6"=1'-0"
3600 Series 3-1/4" Thermal Fixed & Horizontal Sliding Windows

Product Details - Glazing Options

Note: Multiple configurations of this window system are available. Refer to the WINCO website for additional options or contact your local WINCO Sales Representative for information.

Note: Odd glass thicknesses may be possible by changing the gasket or the thickness of the glazing silicone. If desired glazing is not shown please contact your local Winco Sales Representative for additional information.

1" Glazing Bead
CS-14
(Fixed & Sliding Units)

1" Glazing Bead
CS-15
(Option at Fixed Units Only)

1/4" Glazing Bead
CS-19
(Fixed & Sliding Units)

1/4" Glazing Bead
CS-20
(Option at Fixed Units Only)
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Projected Vent Size Capabilities Charts

- Dashed line represents the gateway size window as tested by AAMA.
- All vent sizes are based upon 1" Insulated glass consisting of $\frac{1}{4}''$ glass - $\frac{1}{2}''$ air - $\frac{1}{4}''$ glass.
- Any vent size outside of the AAMA Gateway tested size may have reduced performance.
- Chart assumes the window has been installed in a properly prepared opening by a qualified installer.
- Individual job criteria such as: other glazing materials, specified wind load, and specific operating hardware; may enhance or restrict the chart.
- Minimum vent size is $12' \times 18'$ with standard water leg sill.
- The chart is a general guideline for projected vent sizing, anything on the edge or outside of the range will need to be reviewed by Winco Engineering.
Combined Properties

<table>
<thead>
<tr>
<th></th>
<th>X-X</th>
<th>Y-Y</th>
</tr>
</thead>
<tbody>
<tr>
<td>I</td>
<td>1.6765 in^4</td>
<td>0.2192 in^4</td>
</tr>
<tr>
<td>S</td>
<td>0.9170 in^4</td>
<td>0.2180 in^4</td>
</tr>
</tbody>
</table>

Maximum area = 40 ft^2
Maximum Total Unit Weight must not exceed 500 lbs.

Wind Load Chart

This chart can be used as a guideline for the preliminary structural evaluation of the mullion/stack shown. The chart is based on conservative engineering practices and the minimum result from either L/175 Deflection, 3/8" deflection, or 15 ksi outer fiber stress. The chart reflects the structural strength of 2 continuous window jambs running the full height of the opening. WINCO highly recommends consulting an engineer for any of the following circumstances:

- The window under consideration falls close too or on the design pressure line.
- Any rail exceeds 48" with a large (>16ft²) light of glass above.
- Any vent width exceeds 60".
- Window exceeds the maximum size shown.
- Window has multiple rails (>3).
Glass Dead Load Chart

Wind Load Chart

Combined Light Height (inches)

Light Width (inches)

This chart can be used as a guideline for the preliminary structural evaluation of the Rail shown. The Dead Load chart is based on \( \frac{1}{8}'' - \frac{1}{4}'' - \frac{3}{8}'' \) I.G. and 0.090" deflection at \( \frac{1}{4}'' \) and \( \frac{1}{8}'' \) point blocking. The Wind Load Chart is based upon the minimum result from either L/175 deflection, \( \frac{3}{4}'' \) deflection, or 15 ksi outer fiber stress. The charts reflect the structural strength of only the Rail. WINCO highly recommends consulting an engineer for any of the following circumstances:

- The window under consideration falls close too or on the design pressure line.
- Any rail exceeds 48" with a large (>16ft²) light of glass above.
- I.G. make-up varies from the default.
- I.G. has additional blocking.
Glass Dead Load Chart

Wind Load Chart

Combined Light Height (inches)

Light Width (inches)

<table>
<thead>
<tr>
<th>Light Height (inches)</th>
<th>1/8&quot; [3mm]</th>
<th>1/4&quot; [6mm]</th>
</tr>
</thead>
<tbody>
<tr>
<td>20psf</td>
<td></td>
<td></td>
</tr>
<tr>
<td>25psf</td>
<td></td>
<td></td>
</tr>
<tr>
<td>30psf</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

This chart can be used as a guideline for the preliminary structural evaluation of the Rail shown. The Dead Load chart is based on 1/4" - 3/4" - 1 1/4" I.G. and 0.090" deflection at 1/4 and 1/8 point blocking. The Wind Load Chart is based upon the minimum result from either L/175 deflection, 3/8" deflection, or 15 ksi outer fiber stress. The charts reflect the structural strength of only the Rail. WINCO highly recommends consulting an engineer for any of the following circumstances:

- The window under consideration falls close to or on the design pressure line.
- Any rail exceeds 48" with a large (>16ft) light of glass above.
- I.G. make-up varies from the default.
- I.G. has additional blocking.
This chart can be used as a guideline for the preliminary structural evaluation of the Rail shown. The Dead Load chart is based on \( \frac{1}{4}" - \frac{3}{16}" - \frac{1}{4}" I.G. and 0.090" deflection at \( \frac{1}{4}" \) and \( \frac{3}{16}" point blocking. The Wind Load Chart is based upon the minimum result from either L/175 deflection, \( \frac{3}{8}" \) deflection, or 15 ksi outer fiber stress. The charts reflect the structural strength of only the Rail. WINCO highly recommends consulting an engineer for any of the following circumstances:

- The window under consideration falls close too or on the design pressure line.
- Any rail exceeds 48" with a large (>16ft²) light of glass above.
- I.G. make-up varies from the default.
- I.G. has additional blocking.
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3600 Series 3-1/4" Thermal Fixed & Horizontal Sliding Windows

Product Details - Screen Options - Standard Fixed Screen

Note: Typical vent screen details shown. Winco reserves the right to alter the screen attachment detail due to job specific sizing and hardware. If you have specific screen applications you would like to see please contact your local Winco Sales Representative for more information.

All screen frames are fixed.
3600 Series 3-1/4" Thermal Fixed & Horizontal Sliding Windows

Product Details - Trim - Receptor Installation

Note: See Winco Installation Instructions for a detailed description of installation notes and procedures.

SCALE 6"=1'-0"

Winco Window Company, Inc.

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www.wincowindow.com  (800) 525-8089  3600 / T / 1
3600 Series 3-1/4” Thermal Fixed & Horizontal Sliding Windows
Product Details - Trim - Panning Installation

Note: See Winco Installation Instructions for a detailed description of installation notes and procedures.

Shim by Others N.B.W.

Head / Jamb Detail

- Typical panning system shown. Refer to "Panning and Trim" section of detail binder for all panning and interior snap trim options.
3600 Series 3-1/4" Thermal Fixed & Horizontal Sliding Windows
Product Details - Trim - F-Anchor and Snap Trim Installation

Note: See Winco Installation Instructions for a detailed description of installation notes and procedures.

"F" Clip Installation

Snap Trim Installation

Note:
Typical snap trim profile shown. Refer to "Panning and Trim" section of detail binder for snap trim sizes and shapes.
Typical Side Stack Framing

May Vary:
from 3/16
to 1/8

3 1/4

W.D.
3600 Series 3-1/4" Thermal Fixed & Horizontal Sliding Windows
Product Details - Trim - Mullion and Stacking

WINCO RESERVES THE RIGHT TO MODIFY OR CHANGE INFORMATION WITHIN THIS BOOK WHEN DEEMED NECESSARY FOR PRODUCT IMPROVEMENT.
3600 Series 3-1/4" Thermal Fixed & Horizontal Sliding Windows
Product Details - Trim - Mullion and Stacking

M-42 Mullion set from Building Interior

M-42 Mullion set from Building Exterior

ANCH4

Thru Bolt by WINCO

Anchor Clip at Head and Sill

Fasteners N.B.W.

May Vary:
from 1/8 to 1/16

2 11/16

W.D.

May Vary:
from 1/8 to 1/16

2 11/16

W.D.

May Vary:
from 2-15/16 to 2-13/16

May Vary:
from 2-15/16 to 2-13/16

May Vary:
from 1/8 to 1/16

May Vary:
from 1/8 to 1/16

SCALE 6"=1'-0"