American Craftsman ranked "Highest in Customer Satisfaction with Windows and Patio Doors" by J.D. Power.

*American Craftsman received the highest numerical score among 16 companies in the J.D. Power 2017 Windows & Patio Doors Satisfaction Study based on 1,904 total responses measuring the experiences and perceptions of customers who purchased windows and/or patio doors in the previous 12 months surveyed February-March 2017. Your experiences may vary. Visit jdpower.com.
Quality you expect from a brand you can trust.

American Craftsman® is the brand of vinyl windows and patio doors that not only offers energy efficiency, low maintenance and affordability but the confidence and peace of mind that includes a limited lifetime warranty.

Our products are designed and manufactured with the quality you expect from an Andersen company. So if you are considering vinyl windows for your home, look to American Craftsman products, from the company with the most recognized brand of windows and patio doors in America.

American Craftsman ranked "Highest in Customer Satisfaction with Windows and Patio Doors" by J.D. Power.*

*American Craftsman received the highest numerical score among 16 companies in the J.D. Power 2017 Windows & Patio Doors Satisfaction Study, based on 1,904 total responses, measuring the experiences and perceptions of customers who purchased windows and/or patio doors in the previous 12 months, surveyed February — March 2017. Your experiences may vary. Visit jdpower.com.
**Classic styling for enhanced curb appeal.**

70 Series products are a full portfolio of premium quality, energy-efficient, low-maintenance windows and patio doors. They feature an enhanced design with wider profiles to emulate the look of traditional wood windows. Available with a variety of colors and grille patterns for any style and ENERGY STAR® certified glass options.

See pages 6, 10, 11, 12, 13, 16.

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**StormDefense™ Protection**

For coastal areas, we offer StormDefense™ Protection on 70 Series windows and patio doors. This includes impact-resistant glass and structural reinforcements to help you protect your home from the harshest coastal weather conditions.*

See pages 10, 11, 12, 13, 16, 21.

*See your code official for local code requirements.

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**Simplified design for the budget-minded.**

50 Series products offer affordability without sacrificing quality. With a simplified design that maximizes light and view for a more contemporary look, these products are low maintenance inside and out and are ENERGY STAR® certified with select glass options.

See pages 9, 11, 13, 17.
Which window is right for your project?

No matter if you’re replacing existing windows or adding windows to a new opening, American Craftsman has a variety of window styles and options to choose from. New windows can provide better insulation, which can help reduce your energy bill, and add style by enhancing your home’s curb appeal.

Replacement

**Designed to fit inside existing window frames**
Replacing old windows with new ones can make an impressive change to your home. Replacement windows fit into the existing window frame, allowing you to update your house with minimal disruption while saving you time and money.
See pages 6, 9, 12, 13.

- Cost-effective upgrade that enhances your home’s curb appeal.
- Minimal disruption to your interior trim and exterior siding.
- Improved window operation.
- Easy for do-it-yourselfers.
- Custom sizes to fit any window opening for a fast, weathertight installation.
- ENERGY STAR® certified glass options available for any climate to help reduce energy costs.

Remodel or New Construction

**Made for new walls or window openings**
Whether you’re building a new home, putting on an addition, or creating a new window opening, we have a variety of window styles, options and configurations to let you be creative.
See pages 10, 11, 12, 13.

- Frame options include a nailing flange with or without a J-channel for fast, weathertight installation.
- When using siding on the exterior of your home, a J-channel allows you to attractively trim the siding to the window.
- ENERGY STAR® certified options are available for any climate to help reduce energy costs.
Our 70 Series Pro Replacement double-hung window is designed for easy window replacement and offers an enhanced design for added curb appeal. Featuring wide profiles, this window gives you more of a classic look.

**Enhanced design inside and out**

Decorative exterior frame adds curb appeal while interior jamb covers create a finished appearance.

**Easy to clean**

Tilt-in top and bottom sash with low-profile tilt latches that blend in with the window.

**Weathertight performance**

Dual weatherstripping helps seal out dust, wind and water. The Premium lock made of durable metal pulls the sash tight for additional weathertight performance.

**Flexible ventilation**

Double-hung windows have two operating sash that move up and down and allow venting from the top and bottom. This window also features vent latches for the option of partial ventilation.

**Easy installation to save you time**

Custom sizes and head and sill expanders ensure an exact fit. Pre-drilled installation holes save you time.

**Exterior colors**

White  Beige  Sandtone  Dark Bronze

Printing limitations prevent exact color duplication.

**DID YOU KNOW?**

This window is also available as a bay combination unit.
70 Series Pro Double-Hung Windows
50 Series Double-Hung Windows
Our 50 Series Replacement double-hung features a slim profile that allows for maximum light and a clean design for more of a contemporary style.

**Simplified design**
Flat exterior frame for a clean and modern appearance.

**Easy cleaning**
Tilt-in feature for easy cleaning from inside your home.

**Weathertight performance**
Dual weatherstripping helps seal out dust, wind and water. The Standard lock pulls the sash tight to seal out elements.

**Flexible ventilation**
Double-hung windows have two operating sash that move up and down and allow venting from the top and bottom. This window also features vent latches for the option of partial ventilation.

**Easy installation to save you time**
Custom sizes ensure an exact fit while pre-drilled installation holes save you time.

**Exterior colors**
- White
- Beige

Printing limitations prevent exact color duplication.
Double-Hung
for Remodel/New Construction

- Wide profiles for a traditional appearance and improved performance.
- Decorative brickmould exterior frame enhances your home's curb appeal.
- Both top and bottom window sash open for flexible ventilation and tilt in for easy cleaning.
- Factory applied flat exterior trim option complements the architectural style of your home.
- Optional integral J-channel allows for attractive trimming of exterior siding and saves you the time and money of installing it separately.

*Available with StormDefense™ Protection.* See page 21 for details.

*See your code official for local code requirements.
**Single-Hung**

*for Remodel/New Construction*

- Decorative brickmould exterior frame enhances your home’s curb appeal.
- Bottom window sash opens for ventilation and tilts in for easy cleaning.
- J-channel allows for attractive trimming of exterior siding and saves you the time and money of installing it separately.

*Available with StormDefense™ Protection.*
See page 21 for details.

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**50 Series Single-Hung Windows**

- Slim profiles for maximum light and a contemporary look.
- Flat exterior frame for a clean and modern appearance.
- Bottom window sash opens and tilts in for easy cleaning.

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*See your code official for local code requirements.
**Casement**

for Replacement & Remodel/New Construction

- Casement windows are hinged on the side and open outward to the left or right, allowing for full top to bottom venting.
- Wide profiles for a traditional appearance and improved performance.
- Decorative exterior enhances your home’s curb appeal.
- Multi-point lock engages from a single lever for convenience and security.
- Folding hardware eliminates interference with window treatments.
- Corrosion-resistant operator for long-lasting, smooth operation.
- Optional integral J-channel allows for attractive trimming of exterior siding and saves you the time and money of installing it separately.

* Available with StormDefense™ Protection.** See page 21 for details.

**Awning**

for Replacement & Remodel/New Construction

- Awning windows open outward from the bottom for ventilation and protection from the rain.
- Wide profiles for a traditional appearance and improved performance.
- Decorative exterior enhances your home’s curb appeal.
- Folding hardware eliminates interference with window treatments.
- Corrosion-resistant dual arm operator for long-lasting, smooth operation.
- Optional integral J-channel allows for attractive trimming of exterior siding and helps save you the time and money of installing it separately.

* Available with StormDefense™ Protection.** See page 21 for details.

*See the limited warranty for details.

**See your code official for local code requirements.
Gliding
for Replacement & Remodel/New Construction

- Gliding window sash slides horizontally for improved ventilation.
- Decorative brickmould exterior frame enhances your home's curb appeal.
- Durable rollers make sliding easy.
- Dual weatherstripping helps seal out dust, wind and water.
- Remodel/New Construction window comes with J-channel and nailing flange for convenient installation.

- 70 Series replacement gliding window available with StormDefense™ Protection.* See page 21 for details.

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70 Series Gliding and Specialty Windows

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50 Series Gliding Windows

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Gliding
for Replacement & Remodel/New Construction

- Gliding window sash slides horizontally for improved ventilation.
- Slim profiles for maximum light and a contemporary look.
- Flat exterior frame design for a clean and modern appearance.
- Dual weatherstripping helps seal out dust, wind and water.

*See your code official for local code requirements.
Specialty windows
Specialty windows are stationary windows that do not operate and are available in a variety of shapes and sizes to help maximize your view and add light to your home.

Combination windows
Create window combinations where various shapes and sizes are placed together to make a statement, let in more sunlight, and create a better view of the outdoors.

Consider enhancing your view.
70 SERIES GLIDING PATIO DOORS

Gliding Patio Door

Premium quality vinyl with an enhanced design.
- Low-maintenance vinyl never needs painting.
- Precision ball-bearing rollers for smooth, long-lasting* operation.
- Steel-reinforced construction adds strength and durability.
- Multi-point lock system with exterior keyed lock provides enhanced security.
- J-channel with integral nailing flange comes standard for convenient installation.
- Fully assembled for quick and easy installation.
- Available with built-in blinds. Blinds are protected from dust and damage and feature a cordless design to easily raise, lower, or tilt for control of light and privacy.

![StormDefense](logo.png)

- Available with StormDefense™ Protection.** See page 21 for details.

Exterior colors:
- White
- Beige
- Sandtone
- Dark Bronze

Hardware:
Includes exterior keyed lock
- Standard
- Optional: Satin Nickel

*See the limited warranty for details. **See your code official for local code requirements.
Gliding Patio Door

**Designed with flexibility to match your project and budget.**

- Low-maintenance vinyl never needs painting.
- Precision ball-bearing rollers for smooth, long-lasting* operation.
- Steel-reinforced construction adds strength and durability.
- Optional exterior keyed lock available.
- Coastal door option available with performance upgrades to meet HVHZ approval.
- Available with built-in blinds. Blinds are protected from dust and damage and feature a cordless design to easily raise, lower or tilt for control of light and privacy.
- Choose from a fully assembled door for quick and easy installation or a door kit for easy transportation.
- Designed for easy replacement or installation into new openings.

**Exterior colors:**
- White**
- Beige
- Dark Bronze

**Hardware:**
- Standard
- Optional with exterior keyed lock: Satin Nickel

* See the limited warranty for details.
** 50 Series with built-in blinds is only available in white.
Printing limitations prevent exact color duplication.
Choices that make American Craftsman windows your own.

Colors

Available in White, Beige, Sandtone and Dark Bronze.

- White
- Beige
- Sandtone
- Dark Bronze*

*Dark Bronze has a white interior. Printing limitations prevent exact color replication.

Window Hardware

Durable hardware color-matched to the interior of the window.

<table>
<thead>
<tr>
<th>70 Series</th>
<th>50 Series</th>
</tr>
</thead>
<tbody>
<tr>
<td>Premium lock</td>
<td>Standard lock</td>
</tr>
<tr>
<td>Indicator lock</td>
<td>Includes exterior keyed lock</td>
</tr>
<tr>
<td>Locked</td>
<td>Optional satin nickel</td>
</tr>
<tr>
<td>Unlocked</td>
<td>Includes exterior keyed lock</td>
</tr>
<tr>
<td>Casement and awning handle</td>
<td></td>
</tr>
</tbody>
</table>

Patio Door Hardware

Standard lock

<table>
<thead>
<tr>
<th>70 Series</th>
<th>50 Series</th>
</tr>
</thead>
</table>
| Standard lock
| includes exterior keyed lock |
| Optional satin nickel
| includes exterior keyed lock |
Wireless Open/Closed Sensors

When you want the peace of mind of knowing whether your windows and patio doors are open or closed, these sensors are a simple, reliable solution.

Available for use on all 70 Series windows and patio doors.

For more details, visit: americancraftsmanwindows.com/connect

Grille Options

Grilles between the glass
Grilles between the glass add style to your windows and doors and make cleaning easy.

Simulated divided light
Grilles are permanently applied to the glass,* providing a more authentic look.

Finishing Accessories

Our windows designed for remodeling or new construction are available with various finishing options for a quick and professional finish.

Flat exterior trim
Exterior trim complements the architectural style of your home. Our trim is factory applied, so it saves installation time and adds to the window’s weathertightness. (Available on the 70 Series double-hung window.)

*Available only on certain products. Ask a sales associate for details.
Performance comparison of glass options.

No matter what type of project you’re doing or where you live, American Craftsman has a glass option that is ENERGY STAR® certified and fits the needs of your home.

<table>
<thead>
<tr>
<th>GLASS</th>
<th>ENERGY</th>
<th>LIGHT</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>U-FACTOR</td>
<td>SOLAR HEAT GAIN COEFFICIENT</td>
</tr>
<tr>
<td>Low-E SmartSun™</td>
<td>★★</td>
<td>★★</td>
</tr>
<tr>
<td>Low-E Sun</td>
<td>★★★</td>
<td>★★★</td>
</tr>
<tr>
<td>Low-E PassiveSun®</td>
<td>★★</td>
<td>★★★</td>
</tr>
<tr>
<td>Low-E PassiveSun® with HeatLock® Technology</td>
<td>★★★</td>
<td>★★★</td>
</tr>
<tr>
<td>Clear Dual-Pane</td>
<td>★★★</td>
<td>★★★</td>
</tr>
</tbody>
</table>

Center of glass performance only. Ratings based on glass options available as of June 2015.

*DID YOU KNOW?*

Argon gas blend is an available upgrade for all American Craftsman glass to increase insulation and performance.
Impact-resistant glass for coastal areas.

Our products with StormDefense™ Protection include impact-resistant glass and structural upgrades. Designed for coastal areas, impact-resistant glass from American Craftsman has a layer of clear polymer between two sheets of glass, providing a layer of protection from damaging coastal weather. In addition, an insulating air space helps to keep homes cool in warm months.

The benefits of impact-resistant glass:

- **Storm protection**
  Helps protect home against extreme weather and flying debris.

- **Saves energy**
  Helps shield homes from the sun’s heat, keeping your home cool and lowering energy costs.

- **Safety**
  Provides forced-entry resistance for peace of mind.

- **Sound reduction**
  Reduces exterior noise for a quieter environment.

- **Sun protection**
  Helps reduce damaging UV rays from coming into your home.

*See your code official for local code requirements.*
3 simple steps to replacing your old windows.

**MEASURING TIPS**

**WIDTH:** Measure width of the opening from jamb to jamb, behind trim or stops.

**HEIGHT:** Measure height of opening from highest point of sloped sill to top of head jamb, behind interior stop.

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**Measure the opening**

Take the smallest width and height measurements. Make sure opening is square by measuring diagonally. Measurements must be within 1/8”. Record measurements on worksheet provided in this brochure and take them to The Home Depot® store near you. Worksheet on page 25.
**Remove existing window parts**
Remove both sash and interior stops, leaving window frame and trim in place. Apply sealant.

**Insert new window**
Insert new window, which sits against the outer blind stops. Make sure it’s square and then simply secure it. Apply sealant and trim, and you’re done.

**WATCH IT ONLINE**
Watch a video at americancraftsmanwindows.com/replace.
Our replacement windows are custom-sized to fit your window opening. If your measurements fall within these ranges, we have a window for you.

### Hung Replacement

<table>
<thead>
<tr>
<th>SERIES</th>
<th>Minimum Width</th>
<th>Maximum Width</th>
<th>Minimum Height</th>
<th>Maximum Height</th>
</tr>
</thead>
<tbody>
<tr>
<td>70 Pro Double-Hung</td>
<td>16⅜&quot;</td>
<td>48&quot;</td>
<td>26⅜&quot;</td>
<td>80&quot;</td>
</tr>
<tr>
<td>50 Double-Hung</td>
<td>16⅜&quot;</td>
<td>48&quot;</td>
<td>26⅜&quot;</td>
<td>77⅓&quot;</td>
</tr>
<tr>
<td>50 Single-Hung</td>
<td>16&quot;</td>
<td>48&quot;</td>
<td>24&quot;</td>
<td>80&quot;</td>
</tr>
</tbody>
</table>

### Casement Replacement

<table>
<thead>
<tr>
<th>MODELS</th>
<th>Minimum Width</th>
<th>Maximum Width</th>
<th>Minimum Height</th>
<th>Maximum Height</th>
</tr>
</thead>
<tbody>
<tr>
<td>Single</td>
<td>17⅛&quot;</td>
<td>36&quot;</td>
<td>23&quot;</td>
<td>72&quot;</td>
</tr>
<tr>
<td>Twin</td>
<td>35&quot;</td>
<td>72&quot;</td>
<td>23&quot;</td>
<td>72&quot;</td>
</tr>
<tr>
<td>Triple</td>
<td>52⅛&quot;</td>
<td>108&quot;</td>
<td>23&quot;</td>
<td>72&quot;</td>
</tr>
<tr>
<td>Quadruple</td>
<td>70&quot;</td>
<td>108&quot;</td>
<td>23&quot;</td>
<td>72&quot;</td>
</tr>
<tr>
<td>Picture with Flanking Casements</td>
<td>70&quot;</td>
<td>108&quot;</td>
<td>23&quot;</td>
<td>72&quot;</td>
</tr>
</tbody>
</table>

### Awning Replacement

<table>
<thead>
<tr>
<th>MODELS</th>
<th>Minimum Width</th>
<th>Maximum Width</th>
<th>Minimum Height</th>
<th>Maximum Height</th>
</tr>
</thead>
<tbody>
<tr>
<td>Single</td>
<td>17¼&quot;</td>
<td>48&quot;</td>
<td>15&quot;</td>
<td>36&quot;</td>
</tr>
<tr>
<td>Twin Horizontal</td>
<td>35¼&quot;</td>
<td>96&quot;</td>
<td>15&quot;</td>
<td>36&quot;</td>
</tr>
<tr>
<td>Triple Horizontal</td>
<td>54&quot;</td>
<td>108&quot;</td>
<td>15&quot;</td>
<td>36&quot;</td>
</tr>
<tr>
<td>Twin Vertical</td>
<td>17¾&quot;</td>
<td>48&quot;</td>
<td>30&quot;</td>
<td>72&quot;</td>
</tr>
<tr>
<td>Triple Vertical</td>
<td>17¾&quot;</td>
<td>48&quot;</td>
<td>45&quot;</td>
<td>108&quot;</td>
</tr>
<tr>
<td>Picture Over Single</td>
<td>17¾&quot;</td>
<td>48&quot;</td>
<td>45&quot;</td>
<td>96&quot;</td>
</tr>
</tbody>
</table>

### Gliding Replacement

<table>
<thead>
<tr>
<th>MODELS</th>
<th>Minimum Width</th>
<th>Maximum Width</th>
<th>Minimum Height</th>
<th>Maximum Height</th>
</tr>
</thead>
<tbody>
<tr>
<td>XX</td>
<td>22&quot;</td>
<td>86&quot;</td>
<td>14⅛&quot;</td>
<td>66&quot;</td>
</tr>
<tr>
<td>XOX</td>
<td>48&quot;</td>
<td>108&quot;</td>
<td>14⅛&quot;</td>
<td>62&quot;</td>
</tr>
<tr>
<td>XOX Wide</td>
<td>48&quot;</td>
<td>108&quot;</td>
<td>14⅛&quot;</td>
<td>62&quot;</td>
</tr>
</tbody>
</table>
## Customer Worksheet

<table>
<thead>
<tr>
<th>ROOM</th>
<th>WINDOW OR PATIO DOOR STYLE</th>
<th>SERIES</th>
<th>SIZE WIDTH X HEIGHT</th>
<th>GRILLES</th>
<th>OPTIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Living Room</td>
<td>double-hung</td>
<td>70</td>
<td>$25 \times 40 \frac{3}{4}$</td>
<td></td>
<td>Flat exterior trim</td>
</tr>
<tr>
<td>1</td>
<td></td>
<td></td>
<td>$W \times H$</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td></td>
<td></td>
<td>$W \times H$</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td></td>
<td></td>
<td>$W \times H$</td>
<td></td>
<td></td>
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<tr>
<td>4</td>
<td></td>
<td></td>
<td>$W \times H$</td>
<td></td>
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</tr>
<tr>
<td>5</td>
<td></td>
<td></td>
<td>$W \times H$</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6</td>
<td></td>
<td></td>
<td>$W \times H$</td>
<td></td>
<td></td>
</tr>
<tr>
<td>7</td>
<td></td>
<td></td>
<td>$W \times H$</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
### Custom Heights
- Cottage: 42" to 76 3/4"
- Reverse Cottage: 42" to 76 3/4"

### Custom Widths
- Cottage: 17 3/4" to 48"
- Reverse Cottage: 17 3/4" to 48"

### Notes
- "Window Dimension" always refers to inside frame to frame dimension.
- "Minimum Rough Opening" dimensions may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items.
- Meet or exceed clear opening area of 5.7 sq. ft., clear opening width of 20" and clear opening height of 24."
# 70 SERIES SINGLE-HUNG WINDOWS SIZE CHART

## Single-Hung

Window and rough opening sizes

<table>
<thead>
<tr>
<th>Window Dimension</th>
<th>Minimum Rough Opening</th>
<th>Cottage (Reverse Oriel): CUSTOM WIDTHS: 16&quot; to 52&quot;</th>
<th>CUSTOM HEIGHTS: 42&quot; to 84&quot;</th>
</tr>
</thead>
<tbody>
<tr>
<td>19&quot;</td>
<td>18 1/2&quot;</td>
<td>20 1/2&quot;</td>
<td>24 1/2&quot;</td>
</tr>
<tr>
<td>21&quot;</td>
<td>20 1/2&quot;</td>
<td>24 1/2&quot;</td>
<td>28 1/2&quot;</td>
</tr>
<tr>
<td>25&quot;</td>
<td>24 1/2&quot;</td>
<td>28 1/2&quot;</td>
<td>32 1/2&quot;</td>
</tr>
<tr>
<td>29&quot;</td>
<td>28 1/2&quot;</td>
<td>32 1/2&quot;</td>
<td>36 1/2&quot;</td>
</tr>
<tr>
<td>31&quot;</td>
<td>32 1/2&quot;</td>
<td>36 1/2&quot;</td>
<td>40 1/2&quot;</td>
</tr>
<tr>
<td>33&quot;</td>
<td>36 1/2&quot;</td>
<td>40 1/2&quot;</td>
<td>44 1/2&quot;</td>
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<tr>
<td>37&quot;</td>
<td>40 1/2&quot;</td>
<td>44 1/2&quot;</td>
<td>48 1/2&quot;</td>
</tr>
<tr>
<td>39&quot;</td>
<td>44 1/2&quot;</td>
<td></td>
<td></td>
</tr>
<tr>
<td>41&quot;</td>
<td>48 1/2&quot;</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Cottage or reverse cottage

Cottage or reverse cottage sash ratio available. Check rail is offset 6" up (cottage) or 6" down (reverse cottage) from equal sash location.

#### Cottage (Reverse Oriel):

- **CUSTOM WIDTHS:** 16" to 52"  
- **CUSTOM HEIGHTS:** 42" to 84"

#### Reverse Cottage (Oriel):

- **CUSTOM WIDTHS:** 16" to 52"  
- **CUSTOM HEIGHTS:** 42" to 84"

### Notes

- "Window Dimension" always refers to inside frame to frame dimension.
- "Minimum Rough Opening" dimensions may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items.
- ◊ Meet or exceed clear opening area of 5.7 sq. ft., clear opening width of 20" and clear opening height of 24."
### Single-Hung Window and rough opening sizes

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Minimum Rough Opening</td>
<td>23 7/8&quot;</td>
<td>27 7/8&quot;</td>
<td>31 7/8&quot;</td>
<td>35 7/8&quot;</td>
<td>37 7/8&quot;</td>
<td>39 7/8&quot;</td>
<td>43 7/8&quot;</td>
</tr>
<tr>
<td>Unobstructed Glass (lower sash only)</td>
<td>19 1/2&quot;</td>
<td>23 1/2&quot;</td>
<td>27 1/2&quot;</td>
<td>31 1/2&quot;</td>
<td>33 1/2&quot;</td>
<td>35 1/2&quot;</td>
<td>39 1/2&quot;</td>
</tr>
</tbody>
</table>

**Scale** 1/8" = 12" — 1:96

- "Window Dimension" always refers to inside frame to frame dimension.
- "Minimum Rough Opening" dimensions may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items.
- ◊ Meet or exceed clear opening area of 5.7 sq. ft., clear opening width of 20" and clear opening height of 24".

**NOTES**

- Cottage or reverse cottage sash ratio available. Check rail is offset 6" up (cottage) or 6" down (reverse cottage) from equal sash location.
- **Cottage (Reverse Oriel):**
  - CUSTOM WIDTHS: 17 1/2" to 52"
  - CUSTOM HEIGHTS: 42" to 72"
- **Reverse Cottage (Oriel):**
  - CUSTOM WIDTHS: 17 1/2" to 52"
  - CUSTOM HEIGHTS: 42" to 84"
### Awning:

<table>
<thead>
<tr>
<th>Window Dimension</th>
<th>25 3/4&quot;</th>
<th>30&quot;</th>
<th>33 1/4&quot;</th>
<th>37 3/4&quot;</th>
<th>42 1/4&quot;</th>
<th>49 1/4&quot;</th>
</tr>
</thead>
<tbody>
<tr>
<td>Optional Exterior J-Channel Dimension (not shown in elevations)</td>
<td>24 1/4&quot;</td>
<td>28 1/4&quot;</td>
<td>31 1/2&quot;</td>
<td>35 1/2&quot;</td>
<td>40 1/2&quot;</td>
<td>48&quot;</td>
</tr>
<tr>
<td>Minimum Rough Opening</td>
<td>24 1/4&quot;</td>
<td>28 1/4&quot;</td>
<td>31 1/2&quot;</td>
<td>35 1/2&quot;</td>
<td>40 1/2&quot;</td>
<td>48&quot;</td>
</tr>
<tr>
<td>Unobstructed Glass</td>
<td>21 1/4&quot;</td>
<td>24 1/4&quot;</td>
<td>29&quot;</td>
<td>33 1/4&quot;</td>
<td>41 1/4&quot;</td>
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</tbody>
</table>

### Casement:

<table>
<thead>
<tr>
<th>Window Dimension</th>
<th>19 3/4&quot;</th>
<th>22 3/4&quot;</th>
<th>25 3/4&quot;</th>
<th>30&quot;</th>
<th>33 1/4&quot;</th>
<th>37 1/4&quot;</th>
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</thead>
<tbody>
<tr>
<td>Optional Exterior J-Channel Dimension (not shown in elevations)</td>
<td>17 1/2&quot;</td>
<td>20 1/2&quot;</td>
<td>23 1/2&quot;</td>
<td>26 1/2&quot;</td>
<td>29 1/2&quot;</td>
<td>35 1/2&quot;</td>
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<tr>
<td>Minimum Rough Opening</td>
<td>18&quot;</td>
<td>21&quot;</td>
<td>24&quot;</td>
<td>27&quot;</td>
<td>30&quot;</td>
<td>36&quot;</td>
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<tr>
<td>Unobstructed Glass</td>
<td>17 1/2&quot;</td>
<td>20 1/2&quot;</td>
<td>23 1/2&quot;</td>
<td>26 1/2&quot;</td>
<td>29 1/2&quot;</td>
<td>35 1/2&quot;</td>
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</table>
### Gliding Windows Size Chart

#### Exterior J-Channel Dimensions (70 series only)

<table>
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<tr>
<th>Window Dimension</th>
<th>25&quot;</th>
<th>37&quot;</th>
<th>49&quot;</th>
<th>51&quot;</th>
<th>55&quot;</th>
<th>61&quot;</th>
<th>65&quot;</th>
<th>73&quot;</th>
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</thead>
<tbody>
<tr>
<td>Minimum Rough Opening</td>
<td>24 1/8&quot;</td>
<td>36 1/2&quot;</td>
<td>48 1/8&quot;</td>
<td>50&quot;</td>
<td>54 1/2&quot;</td>
<td>60 1/2&quot;</td>
<td>64 1/2&quot;</td>
<td>72 1/2&quot;</td>
</tr>
<tr>
<td>Unobstructed Glass</td>
<td>9 1/8&quot;</td>
<td>15 1/4&quot;</td>
<td>21 1/4&quot;</td>
<td>22 1/4&quot;</td>
<td>24 1/4&quot;</td>
<td>27 1/4&quot;</td>
<td>29 1/4&quot;</td>
<td>33 1/4&quot;</td>
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#### CUSTOM WIDTHS — 16" to 52"

| CUSTOM WIDTHS — 16" to 52" |
|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|
| CUSTOM HEIGHTS — 24" to 84" |
| 2018 | 3018 | 4018 | 5018 | 6018 | 7018 | 8018 | 9018 |
| 2020 | 3020 | 4020 | 5020 | 6020 | 7020 | 8020 | 9020 |
| 2030 | 3030 | 4030 | 5030 | 6030 | 7030 | 8030 | 9030 |
| 2040 | 3040 | 4040 | 5040 | 6040 | 7040 | 8040 | 9040 |
| 2050 | 3050 | 4050 | 5050 | 6050 | 7050 | 8050 | 9050 |
| 2060 | 3060 | 4060 | 5060 | 6060 | 7060 | 8060 | 9060 |
| 2070 | 3070 | 4070 | 5070 | 6070 | 7070 | 8070 | 9070 |
| 2080 | 3080 | 4080 | 5080 | 6080 | 7080 | 8080 | 9080 |
| 2090 | 3090 | 4090 | 5090 | 6090 | 7090 | 8090 | 9090 |

#### 70 SERIES GLIDING WINDOWS SIZE CHART

- 70 SERIES GLIDING WINDOWS SIZE CHART
- PRO Gliding Window and rough opening sizes
- Table of Gliding (Sliding) Window Sizes
- Scale 1/8" = 12" — 1:96

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americancraftsmanwindows.com
<table>
<thead>
<tr>
<th>WINDOW &amp; DOOR FEATURES</th>
<th>70 Series Pro Double-Hung (Replacement)</th>
<th>50 Series Double-Hung (Replacement)</th>
<th>70 Series Double-Hung (Remodel/New Construction)</th>
<th>70 Series Single-Hung (Remodel/New Construction)</th>
<th>50 Series Single-Hung (Remodel/New Construction)</th>
<th>70 Series Casement (Replacement/New Construction)</th>
<th>70 Series Awning (Replacement/New Construction)</th>
<th>70 Series Sliding (Replacement/New Construction)</th>
<th>50 Series Sliding (Replacement/New Construction)</th>
<th>70 Series Sliding Patio Door</th>
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<td>CUSTOM SIZES</td>
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</tbody>
</table>

*Dark bronze exterior units come with white interiors.
**Simulated divided light only available with replacement frame.
***StormDefense only available with replacement frame.
Many American Craftsman windows and patio doors have options that make them ENERGY STAR® v. 6.0 certified throughout the U.S.