Choosing a Door
What to consider when selecting a door

Style
Whether your home is classic or contemporary, we offers styles and options to complement your home’s architecture. For a distinctive, custom look, choose insulated doors from our elegant Courtyard Collection®, Thermacore® Collection or Impression Collection® or the custom fine wood doors of the Signature® Carriage Collection.

Appearance
To further individualize your door and enhance the look of your home, we offer numerous options, including a variety of windows, glass, decorative hardware and colors.

Safety
If you live in an area that is prone to high winds, our WindStorm™ doors, ordered with proper wind load options, provide reliable protection against high wind damage and offer craftsmanship, durability and style.

Comfort
If you live in an area with extreme hot or cold temperatures, we recommend a well-insulated, thermally-efficient door to ensure your comfort. Some of our insulated doors, including the Courtyard Collection® and Thermacore® Collection, also feature a steel backing that lends a finished, clean look to your garage’s interior.

Thermacore Collection, Model 194, 8’ high, Standard panel, White finish, Stockton 1 windows

*Overhead Door Corporation uses a calculated R-value for our insulated doors.
Reliable protection against high winds and wind-borne debris*

As the largest point of entry into your home, your garage door can be a point of failure during a high wind event and create the potential for debris and high-pressure damage within your home. That’s why when high winds hit, a reinforced garage door is one of your home’s – and your family’s – most important safeguards against nature’s fury. WindStorm™ rated doors not only provide reliable protection against high wind damage, but also feature fine craftsmanship, trouble-free performance, lasting durability and eye-catching curb appeal.

Strength and stability

- Stringently tested to meet wind load requirements*
- Optional impact rating on select door models
- Reinforcing hardware throughout door system
- Additional horizontal bracing for further reinforcement
- Optional impact rated glass for additional safety and protection
- Insulated door system designs provide thermal efficiencies
- Various door system design options to meet door size needs, wind zone requirements, and exposure categories

Designed to protect your family and property

- Wind load options are designed to meet local building code requirements throughout the designated high wind areas of the country
- Wind load options may qualify the homeowner for insurance discounts
- We have a complete line of stylish and secure wind load-rated door systems, from wood to premium insulated doors, including some with impact-rated glass windows. These products will meet the protection levels you demand to keep your family and property safe

* Refer to wind load design standards chart on page 5 for door model and applicable code requirements. Wind load and impact resistance requirements vary by region. Please contact your local Overhead Door™ Distributor for more information.
**Wind-structure interaction**

1. High winds first create pressure against the windward side of the structure.

2. During high wind events, debris can become powerful projectiles that can damage the garage door, reducing the door’s ability to protect the home against damaging winds.

3. Pressure increases when the wind moves around the corner and down the side of the building.

4. Garage doors with no reinforcement can buckle under the pressure, giving the high winds access to the interior of the structure.

5. This often results in the roof members and wall panels being damaged, allowing rain, wind and debris to have easy access to the inside of your home.
Our Windstorm™ wind load-rated garage doors, with properly selected wind load options, are tested and designed to provide additional reinforcement in pressure conditions caused by strong winds from extreme weather. As the homeowner, it’s important to check with your local building code official to determine your home’s specific wind load requirements so you can choose the best doors to meet your needs.

Refer to table below to find the door series and choose your recommended wind load options to meet applicable approval agencies requirements.

### Approval agencies/building codes

<table>
<thead>
<tr>
<th>Approval agencies/building codes</th>
<th>Traditional Steel Collection</th>
<th>Thermacore® Collection 5745/5765</th>
<th>Courtyard Collection® 7565</th>
<th>Modern Aluminum Collection</th>
<th>Carriage House Collection</th>
<th>Impression Steel Collection*</th>
<th>Impression Fiberglass Collection*</th>
<th>Durafirm Collection*</th>
<th>Thermacore® Collection</th>
<th>Courtyard Collection*</th>
<th>Signature® Carriage Collection</th>
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<tr>
<td>International Building Code (IBC) &amp; International Residential Code (IRC)</td>
<td>•</td>
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<td>•</td>
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<td>Florida Building Code (FBC)</td>
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<tr>
<td>Florida Building Code (FBC) — Impact Rated</td>
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<td>•</td>
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</tr>
<tr>
<td>Texas Department of Insurance (TDI) — Impact Rated</td>
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<td>•</td>
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</tr>
<tr>
<td>Miami-Dade County</td>
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</tbody>
</table>

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Traditional Steel Collection

Essential garage doors

Our Traditional Steel Collection garage doors offer many options to choose from, each uniquely designed to provide lasting performance and durability to meet your wind load needs at our best value.

Panel style
Our Traditional Steel Collection doors feature a simulated wood grain embossment to enhance the appearance of your door. Choose from standard, long or V5 panel designs.

- **Models 170/173/180/183**
  - Standard (SP)

- **Models 171/174/181/184**
  - Long (LP)

- **Models 175/176/185/186**
  - V5 (V5)*

- **Model 391**
  - Standard (SP)

- **Model 399**
  - Long (LP)

*Uses short panel (SP) windows.

Color
All doors are available in the colors shown or can be painted to match your home’s décor.

- White
- Almond
- Desert Tan
- Taupe/ Sandstone†
- Brown

Actual door colors may vary from brochure photos due to fluctuations in the printing process. Always request a color sample from your Overhead Door™ Distributor for accurate color matching.

Window style
For the full selection of windows for Traditional Steel Collection doors please see page 29.

Contact your Overhead Door™ Distributor to determine window availability and your local building official for code requirements.

Decorative hardware
For specific hardware details please see page 30.

† Called sandstone on Models 391 and 399.
Embossed wood grain texture
Adds beauty, sophistication and durability.

Reinforced door construction
For maximum strength, durability and minimal weight.

Durable finish
Hot-dipped galvanized steel with two coats of baked-on polyester paint.

Bulb-type bottom weatherseal
Guards against wind and rain while providing a cushion when closing.

### Building code/agency requirements

<table>
<thead>
<tr>
<th>Exposure B</th>
<th>Door width up to</th>
<th>Wind speeds/Design pressures MPH¹/MPH²/PSF design pressure</th>
<th>Impact resistant</th>
<th>Glass available</th>
<th>Standard</th>
<th>Impact</th>
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<tbody>
<tr>
<td>390 Series</td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>9'</td>
<td></td>
<td>130 mph¹/160 mph²¹/²/²¹/² (26.70/30.20)</td>
<td>No</td>
<td>SP/LP³</td>
<td>SP</td>
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<tr>
<td>10'</td>
<td></td>
<td>120 - 130 mph¹/150 - 160 mph²¹/²/²¹/² (22.60/25.80)</td>
<td>No</td>
<td>SP/LP³</td>
<td>SP</td>
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<tr>
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<td>120 mph¹/150 - 160 mph²¹/²/²¹/² (23.40/26.50)</td>
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<td>SP/LP³</td>
<td>SP</td>
<td></td>
</tr>
<tr>
<td>16'</td>
<td></td>
<td>110 - 130+ mph¹/140 - 160+ mph²¹/²/²¹/² (18.40/20.50)</td>
<td>No</td>
<td>SP/LP³</td>
<td>SP</td>
<td></td>
</tr>
<tr>
<td>18'</td>
<td></td>
<td>120 mph¹/150 mph²¹/²/²¹/² (21.80/24.50)</td>
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<td>SP/LP³</td>
<td>SP</td>
<td></td>
</tr>
<tr>
<td>170/180 Series</td>
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<td></td>
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<tr>
<td>9'</td>
<td></td>
<td>100 - 170 mph¹/120 - 200+ mph²¹/²/²¹/² (15.90/18.20)</td>
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<td>SP</td>
<td>SP³</td>
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</tr>
<tr>
<td>16'</td>
<td></td>
<td>90 - 170 mph¹/115 - 200+ mph²¹/²/²¹/² (12.40/13.80)</td>
<td>Yes³</td>
<td>SP</td>
<td>SP³</td>
<td></td>
</tr>
<tr>
<td>18'</td>
<td></td>
<td>90 - 170 mph¹/115 - 200+ mph²¹/²/²¹/² (12.40/13.80)</td>
<td>Yes³</td>
<td>SP</td>
<td>SP³</td>
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</tbody>
</table>

¹ Above wind speeds based on ASCE 7-05 are applicable for enclosed structures with an importance factor of 1.0, mean roof height of 30', and assume a maximum of 2' of the door is located within the end zone of a structure. The above wind speeds listed as a guide only. Wind speed is only one of many factors that determine the design pressure on a structure. The design and location of the structure can have a great effect on the loads placed on the garage door. Consult a registered architect or structural engineer to determine what design pressure is appropriate for your application.

² Above wind speeds based on ASCE 7-10 Category II structure with a mean roof height of 30' and a maximum of 2' of the door is located within the end zone of a structure. The above wind speeds listed as a guide only. Wind speed is only one of many factors that determine the design pressure on a structure. The design and location of the structure can have a great effect on the loads placed on the garage door. Consult a registered architect or structural engineer to determine what design pressure is appropriate for your application.

³ Options available on select models.

Impact resistant windows are available.
(Miami-Dade Broward approved upgrade).

### Models

<table>
<thead>
<tr>
<th>Models</th>
<th>Thickness</th>
<th>Polystyrene insulation⁴</th>
<th>R-value⁵</th>
<th>Heavy-duty steel⁷</th>
<th>Backing³</th>
<th>Warranty</th>
</tr>
</thead>
<tbody>
<tr>
<td>170 SP</td>
<td>2”</td>
<td>SP/LP³</td>
<td></td>
<td>SP</td>
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<tr>
<td>171 LP</td>
<td>2”</td>
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<td>SP</td>
<td></td>
<td>15-year limited</td>
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<tr>
<td>175 VS</td>
<td>2”</td>
<td>SP/LP³</td>
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<td>SP</td>
<td></td>
<td>15-year limited</td>
</tr>
<tr>
<td>173 SP</td>
<td>2”</td>
<td>SP/LP³</td>
<td></td>
<td>SP</td>
<td></td>
<td>20-year limited</td>
</tr>
<tr>
<td>174 LP</td>
<td>2”</td>
<td>SP/LP³</td>
<td></td>
<td>SP</td>
<td></td>
<td>20-year limited</td>
</tr>
<tr>
<td>176 VS</td>
<td>2”</td>
<td>SP/LP³</td>
<td></td>
<td>SP</td>
<td></td>
<td>20-year limited</td>
</tr>
<tr>
<td>180 SP</td>
<td>2”</td>
<td>SP/LP³</td>
<td></td>
<td>SP</td>
<td></td>
<td>20-year limited</td>
</tr>
<tr>
<td>181 LP</td>
<td>2”</td>
<td>SP/LP³</td>
<td></td>
<td>SP</td>
<td></td>
<td>20-year limited</td>
</tr>
<tr>
<td>185 VS</td>
<td>2”</td>
<td>SP/LP³</td>
<td></td>
<td>SP</td>
<td></td>
<td>20-year limited</td>
</tr>
<tr>
<td>183 SP</td>
<td>2”</td>
<td>SP/LP³</td>
<td></td>
<td>SP</td>
<td></td>
<td>20-year limited</td>
</tr>
<tr>
<td>184 LP</td>
<td>2”</td>
<td>SP/LP³</td>
<td></td>
<td>SP</td>
<td></td>
<td>20-year limited</td>
</tr>
<tr>
<td>186 VS</td>
<td>2”</td>
<td>SP/LP³</td>
<td></td>
<td>SP</td>
<td></td>
<td>20-year limited</td>
</tr>
<tr>
<td>391 SP</td>
<td>2”</td>
<td>SP/LP³</td>
<td></td>
<td>SP</td>
<td></td>
<td>20-year limited</td>
</tr>
<tr>
<td>399 LP</td>
<td>2”</td>
<td>SP/LP³</td>
<td></td>
<td>SP</td>
<td></td>
<td>20-year limited</td>
</tr>
</tbody>
</table>

⁴ Polystyrene insulation: Refers to insulation for improved energy efficiency and sound reduction.

⁵ R-value: Overhead Door Corporation uses a calculated R-value for our insulated doors. The higher the R-value, the greater the insulating properties.

⁶ Heavy-duty steel: A thicker, more durable and dent-resistant option, designed to withstand additional knocks and bumps from outdoor activity.

⁷ Backing: Vinyl – For a clean, more finished look and added sound absorption. Steel – Interior side steel backing for strength and finished appearance.

SP - Standard panel, LP - Long panel, VS - V5 panel

Model 180 7’ high, Standard panel, Desert Tan finish, Waterton 1 windows

Impact resistant windows are available.
(Miami-Dade Broward approved upgrade).
Thermacore® Collection

WINDSTORM™ wind load-rated garage doors

Made with two layers of steel and polyurethane foam insulation, 5745 and 5765 Series are extremely durable. Not only that, they are offered in five designs with factory-finished colors or an optional bi-directional wood grain finish that emulates the beauty of real wood.

Panel style
Our Thermacore® doors feature wood grain embossment to enhance the appearance of your door. Doors are available in 7’ or 8’ height.

Models 901, 906
Models 903, 908
Models 904
Models 902, 907
Models 905, 909

Standard (SP)
V5 (VS)
V10
Long (LP)
Flush (FP)

Color
Actual door colors may vary from brochure photos due to fluctuations in the printing process. Always request a color sample from your Overhead Door™ Distributor for accurate color matching.

Standard painted finishes

Optional textured wood grain finishes (903 and 904 models only)

Window style
For the full selection of windows for Thermacore® 5745 and 5765 Series doors please see page 28.
Contact your Overhead Door™ Distributor to determine window availability and your local building official for code requirements.

5745 Series
For V5 Panels with windows a full row of window are required.
For Standard, V5, Long Panels with windows a full row of impact windows are required. Impact glazing available.

5765 Series
For V5 Panels with windows a full row of window are required. Impact glazing not available.

Decorative hardware
For specific hardware details please see page 30.
Building code/agency requirements

Exposure B

<table>
<thead>
<tr>
<th>Door width up to</th>
<th>Wind speeds/Design pressures MPH/PSF</th>
<th>Impact resistant</th>
<th>Glass available</th>
<th>Standard</th>
<th>Impact</th>
</tr>
</thead>
<tbody>
<tr>
<td>9'</td>
<td>90 - 200 mph1 / 115 - 255 mph2 (+12.80/-14.80) • (+64.00/-72.00)</td>
<td>Yes3</td>
<td>SP/LP3</td>
<td>SP/LP3</td>
<td></td>
</tr>
<tr>
<td>16'</td>
<td>90 - 170 mph1 / 115 - 225 mph2 (+12.40/-13.80) • (+46.00/-52.00)</td>
<td>Yes3</td>
<td>SP/LP3</td>
<td>SP/LP3</td>
<td></td>
</tr>
<tr>
<td>18'</td>
<td>90 - 170 mph1 / 115 - 225 mph2 (+12.40/-13.80) • (+46.00/-52.00)</td>
<td>Yes3</td>
<td>SP/LP3</td>
<td>SP/LP3</td>
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</table>

5745 Series
Models 901-905

5765 Series
Models 906-909

1 Above wind speeds based on ASCE 7-05 are applicable for enclosed structures with an importance factor of 1.0, mean roof height of 30’, and assume a maximum of 2’ of the door is located within the end zone of a structure. The above wind speeds listed as a guide only. Wind speed is only one of many factors that determine the design pressure on a structure. The design and location of the structure can have a great effect on the loads placed on the garage door. Consult a registered architect or structural engineer to determine what design pressure is appropriate for your application.

2 Above wind speeds based on ASCE 7-10 Category II structure with a mean roof height of 30’ and a maximum of 2’ of the door is located within the end zone of a structure. The above wind speeds listed as a guide only. Wind speed is only one of many factors that determine the design pressure on a structure. The design and location of the structure can have a great effect on the loads placed on the garage door. Consult a registered architect or structural engineer to determine what design pressure is appropriate for your application.

3 Options available on select models.

Wind load drawings available upon request.

In ALL cases the local building authority is the sole and final determiner of the structural and safety requirements, and suitability of the garage door.

---

**Thermacore® Collection**

**FBC, TDI and Miami Dade County certified**

**Thermacore® construction**

Provides a continuous layer of foamed-in-place, CFC-free polyurethane insulation sandwiched between two layers of corrosion-resistant steel, for maximum thermal efficiency.

**Embossed wood grain texture**

Adds beauty, sophistication and durability.

**In-between section thermal seals**

Snug-fitting tongue-and-groove section joints reduces wind and weather from entering the garage.

**SP - Short panel windows, LP - Long panel windows**

---

**Heavy gauge steel end caps**

Wrap-around end caps trim out door edges for better appearance, improved strength and protect the insulation from damage.

**Bulb-type bottom weatherseal**

Guards against wind and rain while providing a cushion when closing.

<table>
<thead>
<tr>
<th>Series</th>
<th>Thickness</th>
<th>Polyurethane insulation</th>
<th>R-value</th>
<th>Steel backing</th>
<th>Warranty</th>
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</thead>
<tbody>
<tr>
<td>5745 Models</td>
<td>1 3/4&quot;</td>
<td>●</td>
<td>12.12</td>
<td>●</td>
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<tr>
<td>5745 Models</td>
<td>1 3/4&quot;</td>
<td>●</td>
<td>16.22</td>
<td>●</td>
<td>Limited lifetime</td>
</tr>
</tbody>
</table>

1 R-value: Overhead Door Corporation uses a calculated R-value for our insulated doors. The higher the R-value, the greater the insulating properties.

2 U-factor: A tested value of actual energy loss - of an installed door, wall, or window assembly.

3 Backing: Steel – Interior-side steel backing for strength and finished appearance.

For 5745 only:

Impact resistant windows are available.

(Miami-Dade Broward approved upgrade).
Courtyard Collection®

WINDSTORM™ wind load-rated garage doors

Made with two layers of steel and polyurethane foam insulation, the 7565 Series of Courtyard Collection® are not only durable, but a unique way to add style and curb appeal to your home.

Panel style

Panels below shown in square and arch top.

Model 910

Model 911

Model 912

Model 913

Model 914

Model 915

Model 916

Model 917

Model 918

Model 919

Model 920

Overlay texture options

Wood grain - standard

Smooth - optional

Color

Door overlays and window trim are available in the colors shown or can be painted to match your home’s decor (additional charges may apply). Actual door colors may vary from brochure photos due to fluctuations in the printing process. Always request a color sample from your Overhead Door™ Distributor for accurate color matching.

White/White

Almond/White

Taupe/White

Brown/White

Black/White

Window style

Non-impact windows

Clear Long

Stockbridge

Stockton

Stockton Arch

Somerton

Wyndbridge

Impact windows

Clear Long Impact

Stockbridge Impact

Stockton Impact

Stockton Arch Impact

Somerton Impact

Wyndbridge Impact

Decorative hardware

For specific hardware details please see page 30.
Courtyard Collection®

**Durable overlays**
These overlay boards are specially treated to resist termites, weather and fungal decay.

**Joint Seals**
Snug fitting tongue-and-groove section joints reduce wind and weather from entering the garage.

**Polyurethane insulation**
Foamed-in-place polyurethane insulation with an R-value of 12.12* can improve the thermal efficiency of your garage space, reduce street noise and make the door operate more quietly.

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**Building code/agency requirements**

<table>
<thead>
<tr>
<th>Exposure B</th>
<th>Door width up to</th>
<th>Wind speeds/Design pressures MPH/MPH/PSF design pressure</th>
<th>Impact resistant</th>
<th>Glass available Standard</th>
<th>Impact</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>9'</td>
<td>90 - 200 mph1 / 115 - 255 mph2</td>
<td>Yes1</td>
<td>LP1</td>
<td>LP1</td>
</tr>
<tr>
<td></td>
<td></td>
<td>(+12.80/-14.80) / (+64.00/-72.00)</td>
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<tr>
<td>Model 7565</td>
<td>16'</td>
<td>90 - 170 mph1 / 115 - 225 mph2</td>
<td>Yes1</td>
<td>LP1</td>
<td>LP1</td>
</tr>
<tr>
<td></td>
<td></td>
<td>(+12.40/-13.80) / (+46.00/-52.00)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>18'</td>
<td>90 - 170 mph1 / 115 - 225 mph2</td>
<td>Yes1</td>
<td>LP1</td>
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</tr>
<tr>
<td></td>
<td></td>
<td>(+12.40/-13.80) / (+46.00/-52.00)</td>
<td></td>
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</tr>
</tbody>
</table>

1. Above wind speeds based on ASCE 7-05 are applicable for enclosed structures with an importance factor of 1.0, mean roof height of 30’, and assume a maximum of 2’ of the door is located within the end zone of a structure. The above wind speeds listed as a guide only. Wind speed is only one of many factors that determine the design pressure on a structure. The design and location of the structure can have a great effect on the loads placed on the garage door. Consult a registered architect or structural engineer to determine what design pressure is appropriate for your application.

2. Above wind speeds based on ASCE 7-10 Category II structure with a mean roof height of 30’ and a maximum of 2’ of the door is located within the end zone of a structure. The above wind speeds listed as a guide only. Wind speed is only one of many factors that determine the design pressure on a structure. The design and location of the structure can have a great effect on the loads placed on the garage door. Consult a registered architect or structural engineer to determine what design pressure is appropriate for your application.

3. Options available on select models. 
   - Wind load drawings available upon request.
   - Wind speeds listed in this guide are provided for reference purposes only.
   - In all cases the local building authority is the sole and final determiner of the structural and safety requirements, and suitability of the garage door.

**7565 Series** 910-920 Models

<table>
<thead>
<tr>
<th>Wood grain trim</th>
<th>Warranty</th>
<th>Polyurethane insulation</th>
<th>R-value4</th>
<th>Overlay thickness</th>
<th>Door thickness</th>
<th>Commercial track</th>
<th>Residential track</th>
<th>Ball bearing rollers with nylon tires</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>1 7/8&quot;*</td>
<td>1 3/8&quot;</td>
<td>Optional</td>
<td>Optional</td>
<td>Optional</td>
</tr>
</tbody>
</table>

4. R-value: Overhead Door Corporation uses a calculated R-value for our insulated doors. The higher the R-value, the greater the insulating properties.

Impact resistant windows are available. (Miami-Dade Broward approved upgrade).
The Modern Aluminum Collection combines glass and aluminum for unparalleled visual appeal, strength and light infiltration. It’s a unique solution for your extraordinary home.

**Frame option**
The height and width of the door is fully customizable. Door sizes up to 26’. Section height varies dependent on door height.

**Model 521**
Heavy duty frame

<table>
<thead>
<tr>
<th>7' tall</th>
<th>8' tall</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Color**

**Anodized finishes**
Clear anodized or white painted finish comes standard. Light, Medium and Dark Bronze anodized finishes are also available. To add further distinction, solid aluminum panels are available.

- Clear (Standard)
- Light Bronze
- Medium Bronze
- Dark Bronze

**Powder coat finishes**
Select from approximately 200 RAL powder coat color options to best match your home.

Actual color may vary slightly from brochure due to fluctuations in printing process. Color samples are available by request through your local Overhead Door™ Distributor.

**Glass type**

Double Strength (DSB) glass comes standard. In addition we offer an array of choices to complement your home. Insulated glass available.

**Specialty Glass**
- Laminated White – privacy
- Low E Glass* – thermal efficiency
- Tempered Glass – enhanced safety
- Tinted Glass* – color options: Green, Grey, Bronze

**Glass alternatives**
- Clear polycarbonate* – shatter resistant
- Multi-wall polycarbonate – superior strength with UV protection; color options: Clear, White, Bronze
- Acrylic* – shatter resistant
- Impact Clear and Frosted Polycarbonate - 0.250” minimum

* Insulated options available
Modern Aluminum Collection

Between section seals
Offer additional weather-resistance.

Commercial-grade aluminum frame
Low-maintenance and corrosion resistant.

Design flexibility
Available in a variety of vertical rail widths and horizontal stile widths to complement the style of your home.

Stylish hardware
Hinges and fixtures are galvanized to maintain a contemporary look.

Building code/agency requirements

<table>
<thead>
<tr>
<th>Exposure B</th>
<th>Door width up to</th>
<th>Wind speeds/Design pressures MPH1/MPH2/PSF design pressure</th>
<th>Impact resistant</th>
<th>Glass available</th>
<th>Impact resistant</th>
</tr>
</thead>
<tbody>
<tr>
<td>Model 521</td>
<td>10' 2&quot;</td>
<td>150 mph1/200+ mph2 (+50.00/-50.00)</td>
<td>No</td>
<td>Yes</td>
<td>No</td>
</tr>
<tr>
<td></td>
<td>14' 2&quot;</td>
<td>150 mph1/180 mph2 (+37.00/-37.00)</td>
<td>No</td>
<td>Yes</td>
<td>No</td>
</tr>
<tr>
<td></td>
<td>16' 2&quot;</td>
<td>140 mph1/170 mph2 (+31.00/-31.00)</td>
<td>No</td>
<td>Yes</td>
<td>No</td>
</tr>
<tr>
<td></td>
<td>18' 2&quot;</td>
<td>130 mph1/150 mph2 (+26.00/-26.00)</td>
<td>No</td>
<td>Yes</td>
<td>No</td>
</tr>
<tr>
<td></td>
<td>20' 2&quot;</td>
<td>120 mph1/140 mph2 (+22.00/-22.00)</td>
<td>No</td>
<td>Yes</td>
<td>No</td>
</tr>
<tr>
<td></td>
<td>22' 2&quot;</td>
<td>110 mph1/130 mph2 (+18.00/-18.00)</td>
<td>No</td>
<td>Yes</td>
<td>No</td>
</tr>
<tr>
<td></td>
<td>16' 2&quot;</td>
<td>180 mph1/200+ mph2 (+48.00/-54.00)</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
</tbody>
</table>

1 Above wind speeds based on ASCE 7-05 are applicable for enclosed structures with an importance factor of 1.0, mean roof height of 30', and assume a maximum of 2' of the door is located within the end zone of a structure. The above wind speeds listed as a guide only. Wind speed is only one of many factors that determine the design pressure on a structure. The design and location of the structure can have a great effect on the loads placed on the garage door. Consult a registered architect or structural engineer to determine what design pressure is appropriate for your application.

2 Above wind speeds based on ASCE 7-10 Category II structure with a mean roof height of 30’ and a maximum of 2’ of the door is located within the end zone of a structure. The above wind speeds listed as a guide only. Wind speed is only one of many factors that determine the design pressure on a structure. The design and location of the structure can have a great effect on the loads placed on the garage door. Consult a registered architect or structural engineer to determine what design pressure is appropriate for your application.

* Wind load drawings available upon request.

Wind speeds listed in this guide are provided for reference purposes only.

In ALL cases the local building authority is the sole and final determiner of the structural and safety requirements, and suitability of the garage door.
**Carriage House Collection**

Design, thermal performance and durability

The look of wood carriage style swing doors with varied design options, thermal performance and the durability of steel to protect against the elements of extreme weather conditions.

**Panel style**

Three-section styling on 7’ high doors (shown below) gives a custom design look. Our 8’ high doors have four-section styling. Models are available with or without windows and with square or arched tops.

**Finishes**

Actual door colors may vary from brochure photos due to fluctuations in the printing process. Always request a color sample from your Overhead Door™ Distributor for accurate color matching.

- **Painted finishes** White is standard. All other colors are an optional upgrade.
  - White
  - Gray
  - Clay
  - Green

- **Stained finishes**
  - Mahogany
  - Walnut
  - Oak
  - Green
  - Gray
  - Clay
  - Honduran Mahogany
  - Red Oak

**Window style**

Arched windows are also available. See brochure for full line of window options. Contact your Overhead Door™ Distributor to determine window availability and your local building official for code requirements. Insulated windows available.

1. Plain Window Square
2. 6 Window Square
3. 12 Window Square
4. 16 Window Square
5. 8 Window Square
6. 12 Window Square
7. 16 Window Square
8. 20 Window Square
9. 24 Window Square
10. 12 Window Square
11. 16 Window Square
12. 20 Window Square
13. 24 Window Square
14. 32 Window Square

- **Decorative hardware**
  For specific hardware details please see page 30.
**Polyurethane insulation**
Provides thermal efficiency with an R-value* of 10.

**Bulb seal**
Protects against the elements.

**Embossed wood grain texture**
Adds beauty, sophistication, and durability.

**Durable finish**
Hot-dipped galvanized steel with two coats of baked-on polyester paint.

*Overhead Door Corporation uses a calculated door section R-value for our insulated doors.

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**Building code/agency requirements**

<table>
<thead>
<tr>
<th>Exposure B</th>
<th>Door width up to</th>
<th>Wind speeds/Design pressures MPH/MPH/PSF design pressure</th>
<th>Impact resistant</th>
<th>Glass available</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>300 Series</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>9’</td>
<td>90 - 160 mph/115 - 215 mph² (±12.80/-14.80) - (±45.30/-51.20)</td>
<td>No</td>
<td>LP¹</td>
<td>No</td>
</tr>
<tr>
<td>10’</td>
<td>90 - 160 mph/115 - 205 mph² (±12.80/-14.80) - (±41.00/-46.30)</td>
<td>No</td>
<td>LP¹</td>
<td>No</td>
</tr>
<tr>
<td>16’</td>
<td>90 - 160 mph/115 - 205 mph² (±12.40/-13.80) - (±39.20/-43.70)</td>
<td>No</td>
<td>LP¹</td>
<td>No</td>
</tr>
<tr>
<td>18’</td>
<td>110 - 140 mph/125 - 180 mph² (±15.30/-17.00) - (±30.00/-33.50)</td>
<td>No</td>
<td>LP¹</td>
<td>No</td>
</tr>
</tbody>
</table>

¹ Above wind speeds based on ASCE 7-05 are applicable for enclosed structures with an importance factor of 1.0, mean roof height of 30', and assume a maximum of 2' of the door is located within the end zone of a structure. The above wind speeds listed as a guide only. Wind speed is only one of many factors that determine the design pressure on a structure. The design and location of the structure can have a great effect on the loads placed on the garage door. Consult a registered architect or structural engineer to determine what design pressure is appropriate for your application.

² Above wind speeds based on ASCE 7-10 Category II structure with a mean roof height of 30' and a maximum of 2' of the door is located within the end zone of a structure. The above wind speeds listed as a guide only. Wind speed is only one of many factors that determine the design pressure on a structure. The design and location of the structure can have a great effect on the loads placed on the garage door. Consult a registered architect or structural engineer to determine what design pressure is appropriate for your application.

³ Options available on select models.

- Wind load drawings available upon request.

Wind speeds listed in this guide are provided for reference purposes only. In ALL cases the local building authority is the sole and final determiner of the structural and safety requirements, and suitability of the garage door.
Impression Steel Collection®

5800 Series, Model 501 new insulated steel platform

The Impression Steel insulated door offers updated classic design with aesthetic versatility. This door collection features larger door sections and oversized windows.

Panel style

Three-section styling on 7’ high doors gives a custom design look. Our 8’ high doors have four-section styling. All panels have white finished interiors with matching, low-profile hinges.

Color

Actual door colors may vary from brochure photos due to fluctuations in the printing process. Always request a color sample from your Overhead Door™ Distributor for accurate color matching.

Panel Styles:

- 7’ tall
- 8’ tall

Color Options:

- White
- Almond
- Sandstone
- Brown

Window style

Plain Window Long
Plain Window Arched
Stockbridge (3-Pane)
Stockbridge (4-Pane)
Wyndbridge (3-Pane)
Wyndbridge (4-Pane)
Stockton (6-Pane)
Stockton (8-Pane)
Somerton (6-Pane)
Somerton (8-Pane)

Window size and shape may vary slightly based on door size. Option of single or double arch for double car doors. All window styles are made using a single piece of glass with dividers.

Decorative hardware

For specific hardware details please see page 30.
• Three sections for 7’ doors provide large steel embossments for a dramatic appearance

• Foamed-in-place, polyurethane insulation sandwiched between two layers of corrosion-resistant steel with an R-value* of 12

• Oversized windows provide maximum natural light into the garage – one of the largest garage door windows on the market!

• Wind load-rated to withstand a variety of wind conditions and meet local building codes

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**Building code/agency requirements**

<table>
<thead>
<tr>
<th>Exposure B</th>
<th>Door width up to</th>
<th>Wind speeds/Design pressures MPH/MPH2/PSF design pressure</th>
<th>Impact resistant</th>
<th>Glass available</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>90 - 165 mph/115 - 215 mph² (+12.80/-14.80) - (+45.30/-51.20)</td>
<td>No</td>
<td>LP¹ No</td>
</tr>
<tr>
<td></td>
<td>10’</td>
<td>90 - 160 mph/115 - 205 mph² (+12.80/-14.80) - (+41.00/-46.30)</td>
<td>No</td>
<td>LP¹ No</td>
</tr>
<tr>
<td></td>
<td>16’</td>
<td>90 - 160 mph/115 - 205 mph² (+12.40/-13.80) - (+39.20/-43.70)</td>
<td>No</td>
<td>LP¹ No</td>
</tr>
<tr>
<td></td>
<td>18’</td>
<td>100 - 140 mph/125 - 180 mph² (+15.30/-17.00) - (+30.00/-33.50)</td>
<td>No</td>
<td>LP¹ No</td>
</tr>
</tbody>
</table>

¹ Above wind speeds based on ASCE 7-05 are applicable for enclosed structures with an importance factor of 1.0, mean roof height of 30’, and assume a maximum of 2’ of the door is located within the end zone of a structure. The above wind speeds listed as a guide only. Wind speed is only one of many factors that determine the design pressure on a structure. The design and location of the structure can have a great effect on the loads placed on the garage door. Consult a registered architect or structural engineer to determine what design pressure is appropriate for your application.

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³ Options available on select models.

• Wind load drawings available upon request.

Winds speeds listed in this guide are provided for reference purposes only. In ALL cases the local building authority is the sole and final determiner of the structural and safety requirements, and suitability of the garage door.

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*Overhead Door Corporation uses a calculated door section R-value for our insulated doors.
Impression Fiberglass Collection®

Beautiful exterior. Durable interior.

Impression Fiberglass Collection® doors have been magnificently engineered with an artfully molded wood grain fiberglass surface concealing durable steel construction. This door’s unique fiberglass exterior offers you a low maintenance option with the beauty of wood to enhance the curb appeal of your home.

Panel style
Three-section styling on 7’ high doors gives a custom design look. Our 8’ high doors have four-section styling. All panels have white finished interiors with matching, low-profile hinges.

**Model 981**  
Vertical Raised

**Model 982**  
Horizontal Raised

**Model 983**  
Vertical Slat

**Model 984**  
Horizontal V-groove

Available in oak wood grain pattern  
Available in oak wood grain pattern  
Available in cherry wood grain pattern  
Available in mahogany wood grain pattern

Color
Stain colors shown below on oak wood grain pattern. Actual door colors may vary from brochure photos due to fluctuations in the printing process. Always request a color sample from your Overhead Door™ Distributor for accurate color matching.

Cherry  
White  
Mahogany  
Walnut  
Natural Oak  
Green  
Gray  
Clay  
Honduran Mahogany  
Red Oak

Window style
Contact your Overhead Door™ Distributor to determine window availability and your local building official for code requirements. Insulated windows are available.

*No windows available for Model 983

Decorative hardware
For specific hardware details please see page 30.
Foamed-in-place polyurethane insulation
R-value* of 7.6 helps control costly heat loss and gain. This type of insulation can diminish street noise and provides for quieter door operation.

Designed with award-winning safety and technology features including pinch-resistant door panels.

Bulb-type bottom weatherseal
It guards against wind and rain while providing a cushion when closing.

Fiberglass exterior
The beauty of wood without the maintenance.

Factory installed powder coated hardware
Ensures proper alignment and smoother operation with a clean interior appearance.

*Overhead Door Corporation uses a calculated door section R-value for our insulated doors.

Building code/agency requirements

<table>
<thead>
<tr>
<th>Exposure B</th>
<th>Wind speeds/Design pressures MPH1/MPH2/PSF design pressure</th>
<th>Impact resistant</th>
<th>Glass available</th>
</tr>
</thead>
<tbody>
<tr>
<td>980 Series</td>
<td>Door width up to 9'</td>
<td>120-160 mph1/150-200 mph2/ (+22.90/-26.30) - (+41.00/-46.30)</td>
<td>No</td>
</tr>
<tr>
<td></td>
<td>16'</td>
<td>100-150 mph1/120-190 mph2/ (+15.30/-17.00) - (+34.40/-38.30)</td>
<td>No</td>
</tr>
</tbody>
</table>

1 Above wind speeds based on ASCE 7-05 are applicable for enclosed structures with an importance factor of 1.0, mean roof height of 30’, and assume a maximum of 2’ of the door is located within the end zone of a structure. The above wind speeds listed as a guide only. Wind speed is only one of many factors that determine the design pressure on a structure. The design and location of the structure can have a great effect on the loads placed on the garage door. Consult a registered architect or structural engineer to determine what design pressure is appropriate for your application.

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- Wind load drawings available upon request.
- Vertical Slat design cannot have windows.
- Wind speeds listed in this guide are provided for reference purposes only.
- In ALL cases the local building authority is the sole and final determiner of the structural and safety requirements, and suitability of the garage door.

Model 983  7' high, Vertical Slat, Cherry stain

Model 981  8' high, Vertical Raised panel, Gray stain with window panel
With their rugged, thick vinyl skin, Durafirm Collection® doors provide incredible strength and durability which makes this door an ideal choice for extreme weather conditions.

**Panel style**

Doors are available in 7’ or 8’ height. Shown in 7’.

**Model 870**

*Standard (SP)*

**Model 872**

*V5 (VS)*

**Color**

Actual door colors may vary from brochure photos due to fluctuations in the printing process. Always request a color sample from your Overhead Door™ Distributor for accurate color matching.

- Glacier White
- Cape Cod Gray
- Monterey Sand
- Adobe Cream

**Window style**

Contact your Overhead Door™ Distributor to determine window availability and your local building official for code requirements. Insulated windows are available.

- Clear
- Cathedral
- Ruston
- Stockton
- Williamsburg 4
- Williamsburg 8

**Decorative hardware**

For specific hardware details please see page 30.
**Bonded steel, polyurethane and vinyl**
They provide incredible strength, impressive sound absorption and energy efficiency with an R-value\(^*\) of up to 11.75.

**Deep raised panels**
Rich wood grain texture for the timeless look of freshly painted hardwood. Available in standard panel style only.

**Through-and-through color PVC construction**
The color goes all the way through the exterior vinyl skin so scratches are minimized.

**UV-resistant resin**
Contains special polymers that protect your door from the sun's harmful ultraviolet rays.

**Twin structural struts**
22-gauge steel C-channels run the full length of each panel and are anchored to interior steel stiles for strength.

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**Building code/agency requirements**

<table>
<thead>
<tr>
<th>Exposure B</th>
<th>Door width up to</th>
<th>Wind speeds/Design pressures</th>
<th>Impact resistant</th>
<th>Glass available</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>870 Series</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>9’</td>
<td>120-160 mph(^1)/150-200+ mph(^2) (+22.90/-26.30) - (+41.60/-66.30)</td>
<td>No</td>
<td>SP</td>
<td>No</td>
</tr>
<tr>
<td>16’</td>
<td>120-165 mph(^1)/150-200+ mph(^2) (+23.00/-25.00) - (+43.40/-48.40)</td>
<td>No</td>
<td>SP(^1)</td>
<td>No</td>
</tr>
<tr>
<td>18’</td>
<td>110-160 mph(^1)/140-200 mph(^2) (+18.50/-20.70) - (+39.20/-43.70)</td>
<td>No</td>
<td>SP(^1)</td>
<td>No</td>
</tr>
</tbody>
</table>

1. Above wind speeds based on ASCE 7-05 are applicable for enclosed structures with an importance factor of 1.0, mean roof height of 30’, and assume a maximum of 2’ of the door is located within the end zone of a structure. The above wind speeds listed as a guide only. Wind speed is only one of many factors that determine the design pressure on a structure. The design and location of the structure can have a great effect on the loads placed on the garage door. Consult a registered architect or structural engineer to determine what design pressure is appropriate for your application.

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3. Options available on select models.

Wind load drawings available upon request.
Wind speeds listed in this guide are provided for reference purposes only.
In ALL cases the local building authority is the sole and final determiner of the structural and safety requirements, and suitability of the garage door.

---

*Overhead Door Corporation uses a calculated door section R-value for our insulated doors.
For premium construction and maximum thermal efficiency, Thermacore® Collection insulated steel doors are the ideal choice. Choose from several panel designs featuring our sandwiched insulation design, offering varying strengths of wind load protection for your home.

### Panel style

Our Thermacore® doors feature wood grain embossment to enhance the appearance of your door.

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Standard (SP)</td>
<td>V5 (V$^*$)</td>
<td>V10</td>
<td>Long (LP)</td>
<td>Flush (FP)</td>
</tr>
<tr>
<td><img src="image1" alt="Panel 1" /></td>
<td><img src="image2" alt="Panel 2" /></td>
<td><img src="image3" alt="Panel 3" /></td>
<td><img src="image4" alt="Panel 4" /></td>
<td><img src="image5" alt="Panel 5" /></td>
</tr>
</tbody>
</table>

*Uses short panel (SP) windows.

### Color

Door overlays and window trim are available in the colors shown or can be painted to match your home’s decor (additional charge may apply). Actual door colors may vary from brochure photos due to fluctuations in the printing process. Always request a color sample from your Overhead Door™ Distributor for accurate color matching.

<table>
<thead>
<tr>
<th>Painted finishes</th>
<th>Textured wood grain finishes</th>
</tr>
</thead>
<tbody>
<tr>
<td>White</td>
<td>Golden Oak***</td>
</tr>
<tr>
<td>Almond</td>
<td>Mission Oak***</td>
</tr>
<tr>
<td>Desert Tan</td>
<td>Walnut***</td>
</tr>
<tr>
<td>Sandstone</td>
<td></td>
</tr>
<tr>
<td>Terra Bronze†</td>
<td></td>
</tr>
<tr>
<td>Brown**</td>
<td></td>
</tr>
<tr>
<td>Hunter Green†</td>
<td></td>
</tr>
<tr>
<td>Gray†</td>
<td></td>
</tr>
<tr>
<td>Black**</td>
<td></td>
</tr>
</tbody>
</table>

† Available in 190 series only.
**Available in 190 and 490 series only.
***Available in 192, 194, 198, 199 494, 496 and 497 models only.

### Window style

For the full selection of windows for Thermacore® doors please see page 28.

Contact your Overhead Door™ Distributor to determine window availability and your local building official for code requirements.

### Decorative hardware

For specific hardware details please see page 30.
Thermacore® construction
Provides a continuous layer of foamed-in-place, CFC-free polyurethane insulation sandwiched between two layers of corrosion-resistant steel, for maximum thermal efficiency.

Embossed wood grain texture
Adds beauty, sophistication and durability.

In-between section thermal seals
With an air infiltration rating of up to 0.08 cfm, these seals help to provide superior resistance to the elements.

Durable finish
Hot-dipped galvanized steel with two coats of baked-on polyester paint.

Bulb-type bottom weatherseal
Guards against wind and rain while providing a cushion when closing.

### Building code/agency requirements

<table>
<thead>
<tr>
<th>Exposure B</th>
<th>Door width up to</th>
<th>Wind speeds/Design pressures</th>
<th>Impact resistant</th>
<th>Glass available</th>
<th>Warranty</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>MPH1/MPH2/PSF design pressure</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>290 Series</td>
<td>9'</td>
<td>150 mph1 / 190 mph2</td>
<td>No</td>
<td>SP</td>
<td>20-year limited</td>
</tr>
<tr>
<td></td>
<td></td>
<td>(+37.10 / -42.00)</td>
<td></td>
<td>SP</td>
<td></td>
</tr>
<tr>
<td></td>
<td>10'</td>
<td>140 mph1 / 180 mph2</td>
<td>No</td>
<td>SP</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>(+32.60 / -36.90)</td>
<td></td>
<td>SP</td>
<td></td>
</tr>
<tr>
<td></td>
<td>12'</td>
<td>130 mph1 / 170 mph2</td>
<td>No</td>
<td>SP</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>(+28.40 / -32.20)</td>
<td></td>
<td>SP</td>
<td></td>
</tr>
<tr>
<td></td>
<td>14'</td>
<td>120 mph1 / 160 mph2</td>
<td>No</td>
<td>SP</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>(+24.50 / -27.70)</td>
<td></td>
<td>SP</td>
<td></td>
</tr>
<tr>
<td></td>
<td>18'</td>
<td>110 mph1 / 140 mph2</td>
<td>No</td>
<td>SP</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>(+20.60 / -23.60)</td>
<td></td>
<td>SP</td>
<td></td>
</tr>
<tr>
<td></td>
<td>20'</td>
<td>85 - 100 mph1 / 110 - 130 mph2</td>
<td>No</td>
<td>SP</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>(+11.70 / -13.30)</td>
<td></td>
<td>SP</td>
<td></td>
</tr>
<tr>
<td>190/490 Series</td>
<td>9'</td>
<td>90 - 150+ mph1 / 115 - 190 mph2</td>
<td>No</td>
<td>SP/LP</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>(+14.80 / -14.80)</td>
<td></td>
<td>SP/LP</td>
<td></td>
</tr>
<tr>
<td></td>
<td>10'</td>
<td>90 - 140 mph1 / 115 - 180 mph2</td>
<td>Yes3</td>
<td>SP/LP3</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>(+14.80 / -14.80)</td>
<td></td>
<td>SP/LP3</td>
<td></td>
</tr>
<tr>
<td></td>
<td>16'</td>
<td>120 - 150 mph1 / 150 - 190 mph2</td>
<td>Yes3</td>
<td>SP/LP3</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>(+22.00 / -24.30)</td>
<td></td>
<td>SP/LP3</td>
<td></td>
</tr>
<tr>
<td></td>
<td>18'</td>
<td>90 - 140 mph1 / 120 - 180 mph2</td>
<td>Yes3</td>
<td>SP/LP3</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>(+14.80 / -14.80)</td>
<td></td>
<td>SP/LP3</td>
<td></td>
</tr>
</tbody>
</table>

1 Above wind speeds based on ASCE 7-05 are applicable for enclosed structures with an importance factor of 1.0, mean roof height of 30’, and assume a maximum of 2’ of the door is located within the end zone of a structure. The above wind speeds listed as a guide only. Wind speed is only one of many factors that determine the design pressure on a structure. The design and location of the structure can have a great effect on the loads placed on the garage door. Consult a registered architect or structural engineer to determine what design pressure is appropriate for your application.

2 Above wind speeds based on ASCE 7-10 Category II structure with a mean roof height of 30’ and a maximum of 2’ of the door is located within the end zone of a structure. The above wind speeds listed as a guide only. Wind speed is only one of many factors that determine the design pressure on a structure. The design and location of the structure can have a great effect on the loads placed on the garage door. Consult a registered architect or structural engineer to determine what design pressure is appropriate for your application.

3 Options available on select styles.

SP - Short panel windows, LP - Long panel windows

Warranty information: 20-year limited warranty for Thermacore® Collection.

---

**Building code/agency requirements**

<table>
<thead>
<tr>
<th>Series</th>
<th>Thickness</th>
<th>Polyurethane insulation R-value</th>
<th>U-factor</th>
<th>Steel backing</th>
<th>Warranty</th>
</tr>
</thead>
<tbody>
<tr>
<td>290</td>
<td>1”</td>
<td>9.31</td>
<td>0.24</td>
<td></td>
<td>20-year limited</td>
</tr>
<tr>
<td>190</td>
<td>1 3/8”</td>
<td>12.76</td>
<td>0.24</td>
<td></td>
<td>Limited lifetime</td>
</tr>
<tr>
<td>490</td>
<td>2”</td>
<td>17.5</td>
<td>0.16</td>
<td></td>
<td>Limited lifetime</td>
</tr>
</tbody>
</table>

3 R-value: Overhead Door Corporation uses a calculated R-value for our insulated doors. The higher the R-value, the greater the insulating properties.

4 U-factor: A tested value of actual energy loss - of an installed door, wall, or window assembly.

5 Backing: Steel – Interior-side steel backing for strength and finished appearance.

---

SP - Short panel windows, LP - Long panel windows

In ALL cases the local building authority is the sole and final determiner of the structural and safety requirements, and suitability of the garage door.
Our Courtyard Collection® doors give you the beauty of wood with the durability of steel. Each model provides varied design options to withstand your home’s unique wind load needs.

Panel style

**Tier 1**
- Model 161B
- Model 371M/161M
- Model 371T/161T
- Model 162Z
- Model 166B
- Model 375B/165B
- Model 166E†

**Tier 2**
- Model 375T/165T
- Model 166T
- Model 167B
- Model 371A/161A
- Model 162E
- Model 167E†

**Tier 3**
- Model 164A
- Model 373T/163T
- Model 377T/167T
- Model 162A
- Model 168B

**Color**
Door overlays and window trim are available in the colors shown or can be painted to match your home’s decor (additional charges may apply). Actual door colors may vary slightly from brochure photos due to fluctuations in printing process. Always request a color sample from your Overhead Door™ Distributor for accurate color matching.

- White
- Almond
- Desert Tan
- Sandstone
- Terra Bronze
- Brown
- Hunter Green
- Gray*
- Black*  
  *160 Series only.

**Window style**
Wind load-rated windows are offered only for 160 Series. Insulated windows are standard. Contact your Overhead Door™ Distributor to determine window availability and your local building official for code requirements.

- Clear Long
- Stockbridge
- Stockton
- Stockton Arch
- Somerton
- Wyndbridge Arch

**Decorative hardware**
For specific hardware details please see page 30.
Building code/agency requirements

<table>
<thead>
<tr>
<th>Exposure B</th>
<th>Door width up to</th>
<th>Wind speeds/Design pressures</th>
<th>Impact resistant</th>
<th>Glass available</th>
<th>Glass available</th>
<th>370 Series</th>
<th>160 Series</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>MPH¹/MPH²/PSF design pressure</td>
<td></td>
<td>Standard</td>
<td>Impact</td>
<td></td>
<td></td>
</tr>
<tr>
<td>370 Series</td>
<td>9'</td>
<td>150 mph¹/190 mph²</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td></td>
<td></td>
</tr>
<tr>
<td>10'</td>
<td>140 mph¹/170 mph²</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>12'</td>
<td>130 mph¹/160 mph²</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>14'</td>
<td>120 mph¹/140 mph²</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>18'</td>
<td>110 mph¹/130 mph²</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>20'</td>
<td>85 - 100 mph¹/110 - 130 mph²</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>160 Series</td>
<td>9'</td>
<td>90 - 150+ mph¹/115 - 190 mph²</td>
<td>No</td>
<td>LP</td>
<td>LP</td>
<td></td>
<td></td>
</tr>
<tr>
<td>10'</td>
<td>90 - 140 mph¹/115 - 180 mph²</td>
<td>Yes³</td>
<td>LP³</td>
<td>LP³</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>16'</td>
<td>120 - 150 mph¹/150 - 190 mph²</td>
<td>Yes³</td>
<td>LP³</td>
<td>LP³</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>18'</td>
<td>90 - 140+ mph¹/120 - 180+ mph²</td>
<td>Yes³</td>
<td>LP³</td>
<td>LP³</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

¹ Above wind speeds based on ASCE 7-05 are applicable for enclosed structures with an importance factor of 1.0, mean roof height of 30', and assume a maximum of 2' of the door is located within the end zone of a structure. The above wind speeds listed as a guide only. Wind speed is only one of many factors that determine the design pressure on a structure. The design and location of the structure can have a great effect on the loads placed on the garage door. Consult a registered architect or structural engineer to determine what design pressure is appropriate for your application.

² Above wind speeds based on ASCE 7-10 Category II structure with a mean roof height of 30' and a maximum of 2' of the door is located within the end zone of a structure. The above wind speeds listed as a guide only. Wind speed is only one of many factors that determine the design pressure on a structure. The design and location of the structure can have a great effect on the loads placed on the garage door. Consult a registered architect or structural engineer to determine what design pressure is appropriate for your application.

³ Options available on select models.

SP - Short panel windows, LP - Long panel windows

Courtyard Collection®

Polyurethane insulation
Foamed-in-place, polyurethane insulation provides an R-value⁴ of up to 12.76 and U-factor up to 0.24.

In-between-section thermal seals
With an air infiltration rating as low as .08 cfm, these seals help to provide superior resistance to the elements.

Weather resistant
Wood grain textured trim boards are resistant to dents and the elements.

<table>
<thead>
<tr>
<th>Model 161A White finish, Stockbridge windows, decorative hardware</th>
</tr>
</thead>
</table>

Warranty
20-year limited warranty

Polyurethane insulation
R-value⁴: 9.3
U-factor⁵: 0.24

Overlay thickness

Door thickness
1" 1" 1" 1" 1" 1" 1" 1" 1" 1" 1" 1" 1" 1" 1" 1" 1" 1" 1" 1" 1" 1" 1" 1" 1" 1" 1" 1" 1"

Commercial track
optional

Residential track

Ball bearing rollers with nylon wheels

---

⁴ R-value: Overhead Door Corporation uses a calculated R-value for our insulated doors. The higher the R-value, the greater the insulating properties.

⁵ U-factor: A tested value of actual energy loss - of an installed door, wall, or window assembly.

Options available on select models.
## Signature® Carriage Collection

Signature® Carriage Collection doors combine the classic swing-open appearance and detailing of carriage house wood doors with the convenience of sectional garage doors. The wood construction and finger jointed rail and stile frame design add strength to withstand extreme weather conditions.

### Panel style
Doors provided in unfinished, stain-grade or paint-grade wood. Models are available with or without windows and with square or arched tops. Square tops are shown.

<table>
<thead>
<tr>
<th>Parson Collection</th>
<th>Drake Narrow (570 DN)</th>
<th>Drake Wide (570 DW)</th>
<th>Kingston Narrow (571 N)</th>
<th>Kingston Wide (571 W)</th>
<th>Bristol Narrow (580 BN)</th>
<th>Bristol Wide (580 BW)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ponderosa Collection</td>
<td>Buchanan (i) (580 B)</td>
<td>Dakota (i) (580 D)</td>
<td>Sierra (i) (580 S)</td>
<td>Austin (570 A)</td>
<td>Austin Grooved (570 A)</td>
<td>Baxter (570 B)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Villa Madre Collection</td>
<td>Ortega (i) (580 Base)</td>
<td>Medina (i) (580 M)</td>
<td>Pizarro (i) (580 P)</td>
<td>Cruz (i) (580 C)</td>
<td>Castille Grooved (570 C)</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Wood options
Not all wood options are available for each model. Contact your Overhead Door™ Distributor for specific information.

- T1-11 4" Grooved Plywood
- T1-11 8" Grooved Plywood
- Medium Density Overlay (MDO)
- Smooth/Luan Plywood
- Rough sawn Plywood
- Hemlock
- Western Red Cedar
- Mahogany
- Knotty Cedar

### Window style
For the full selection of windows for Signature® Carriage Collection doors please see page 29.

### Decorative hardware
For specific hardware details please see page 30.

Contact your Overhead Door™ Distributor to determine window availability and your local building official for code requirements.
Heavy duty steel roller hinges for smooth operation and reliability.

Durable hardware and track, including steel ball bearing rollers for years of peak performance. (Nylon coated optional).

Multiple designs and wood species options let you choose the perfect complement to your home with our style, window and glass options.

World class construction of finger jointed rail and stile frame adds strength.

Polystyrene insulation can diminish street noise and provide quieter door operation. R-value* of 4.75 available for select models.

Building code/agency requirements

<table>
<thead>
<tr>
<th>Exposure B</th>
<th>Door width up to</th>
<th>Wind speeds/Design pressures MPH/MPH/PSF design pressure</th>
<th>Impact resistant</th>
<th>Glass available</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>9'</td>
<td>140 mph¹/180 mph² (+31.20/-35.80)</td>
<td>No</td>
<td>SP</td>
</tr>
<tr>
<td>570 Series</td>
<td>16'</td>
<td>120 mph¹/155 mph² (+23.00/-25.00)</td>
<td>No</td>
<td>SP</td>
</tr>
<tr>
<td></td>
<td>18'</td>
<td>100 mph¹/125 mph² (+15.30/-17.00)</td>
<td>No</td>
<td>SP</td>
</tr>
<tr>
<td>9'</td>
<td>140 mph¹/180 mph² (+32.00/-32.00)</td>
<td>No</td>
<td>SP</td>
<td>No</td>
</tr>
<tr>
<td>580 Series</td>
<td>16'</td>
<td>120 mph¹/155 mph² (+23.00/-25.00)</td>
<td>No</td>
<td>SP</td>
</tr>
<tr>
<td></td>
<td>18'</td>
<td>100 mph¹/125 mph² (+15.30/-17.00)</td>
<td>No</td>
<td>SP</td>
</tr>
</tbody>
</table>

¹ Above wind speeds based on ASCE 7-05 are applicable for enclosed structures with an importance factor of 1.0, mean roof height of 30’, and assume a maximum of 2’ of the door is located within the end zone of a structure. The above wind speeds listed as a guide only. Wind speed is only one of many factors that determine the design pressure on a structure. The design and location of the structure can have a great effect on the loads placed on the garage door. Consult a registered architect or structural engineer to determine what design pressure is appropriate for your application.

² Above wind speeds based on ASCE 7-10 Category II structure with a mean roof height of 30’ and a maximum of 2’ of the door is located within the end zone of a structure. The above wind speeds listed as a guide only. Wind speed is only one of many factors that determine the design pressure on a structure. The design and location of the structure can have a great effect on the loads placed on the garage door. Consult a registered architect or structural engineer to determine what design pressure is appropriate for your application.

Wind load drawings available upon request.

Wind speeds listed in this guide are provided for reference purposes only.

In ALL cases the local building authority is the sole and final determiner of the structural and safety requirements, and suitability of the garage door.
Contact your Overhead Door™ Distributor to determine window availability and your local building official for code requirements.

Windows
Thermacore® Collections

Window styles for Thermacore® Collection

Available on Standard, Flush and V5 panels (impact and non-impact)
- Clear Short
- Ashton 1
- Madison 1
- Ruston 1
- Stockford 1
- Williamsburg 1 (4 pc)
- Stockton 1
- Williamsburg 1 (8 pc)

Carriage style window trim
Available on 190 Series (impact only)
- Clear Long
- Stockton Arched
- Stockton Arch

Available on Long, Flush V10 and V5 panels (non-impact only)
Also available on Thermacore® 5745 & 5765 Series V10 panels (non-impact only)
- Clear Long
- Ashton 2
- Ruston 2
- Stockbridge 2 3-Lite
- Stockton 2 4-Lite
- Stockton 2 6-Lite
- Stockton 2 8-Lite
- Zielke Arch
- Williamsburg 2 (4 pc)

Insulated windows available on 190 and 490 Series.

Window styles for Thermacore® 5745 & 5765 Series

Available on Standard and Flush panels
- Clear 1
- Cascade 1
- Prairie 1
- Sherwood 1
- Stockton 1
- Williamsburg 1

Available on V10 and V5 panels
- Clear 1
- Clear 3
- Arched Stockton

Available on double car doors with V10 and V5 panels
- Arched Stockton Single
- Arched Stockton Double

Available on Long panels
- Clear 2
- Cascade 2
- Cathedral 2
- Prairie 2
- Sherwood 2
- Stockton 2
- Williamsburg 2
- Waterton 2
Windows

Traditional Steel and Signature® Carriage Collection

Window styles for Traditional Steel Collection

Available on Standard panel and V5 panel, 170, 180 Series and Model 391 (impact and non-impact)

- Clear Short
- Cathedral 1
- Ruston 1
- Stockford 1
- Stockton 1
- Ashton 1
- Cascade 1
- Madson 1
- Sherwood 1
- Wyndbridge 2
- Williamsburg 1 (4 pc)
- Williamsburg 1 (8 pc)
- Winston 1

Available on Long panel, Model 399 only (non-impact only)

- Clear Long
- Cathedral 2
- Somerton 2
- Stockton 2 6-Lite
- Stockton 2 8-Lite Arched
- Ashton 2
- Cascade 2
- Ruston 2
- Sherwood 2
- Stockford 2
- Stockton 2 12-Lite
- Williamsburg 2 (2 pc)
- Wyndbridge 2
- Williamsburg 2 (4 pc)

Window styles for Signature® Carriage Collection

- 3PS: Three Pane Square Top, Single
- 3PS: Three Pane Square Top, Double
- 3PD: Three Pane Double Arched Top, Double
- 3PA: Three Pane Arched Top, Single
- 3PA: Three Pane Arched Top, Double
- 4PS: Four Pane Square Top, Single
- 4PS: Four Pane Square Top, Double
- 4PA: Four Pane Arched Top, Single
- 4PA: Four Pane Arched Top, Double
- 2PS: Two Pane Square Top, Single
- 2PS: Two Pane Square Top, Double
- 2PA: Two Pane Arched Top, Single
- 2PA: Two Pane Arched Top, Double
- 22S: Two over Two Square Top, Single
- 22S: Two over Two Square Top, Double
- 22A: Two over Two Arched Top, Single
- 22A: Two over Two Arched Top, Double
- 22D: Two over Two Double Arched Top, Double
- 6PS: Three over Three Square Top, Single
- 6PS: Three over Three Square Top, Double
- 6PD: Three over Three Double Arched Top, Double
- 6PA: Three over Three Arched Top, Single
- 6PA: Three over Three Arched Top, Double
- 22D: Two over Two Double Arched Top, Double
- 8PS: Four over Four Square Top, Single
- 8PS: Four over Four Square Top, Double
- 8PA: Four over Four Arched Top, Single
- 8PA: Four over Four Arched Top, Double

Insulated windows available on 390 Series.

Insulated windows available on 580 Series.

Contact your Overhead Door™ Distributor to determine window availability and your local building official for code requirements.
### Decorative hardware

Further individualize your garage door with our distinctive decorative exterior handles and hinges. Available as optional accessories on our door collections. Not all hardware will fit all door sizes. Consult your local distributor for more information.

**Premium Collection**
- Spade Design Hinge
- Heritage Hinge
- Bean Design Hinge
- Traditional Hammertone Hinge

**Value Collection**
- Spear Hinge (16” and 18” available)
- Bean Hinge (16” only)

### Wind load hardware

Overhead Door™ WindStorm™ doors feature upgraded hardware to make your door stronger against wind storms. Depending on the wind load option selected, the upgraded hardware includes:

1. Horizontal reinforcement steel struts
2. Upgraded springs
3. Heavy-duty track
4. Heavy-duty rollers
Openers

Designed for performance

Destiny® 1500 Screw Drive
MODEL 8060
The ultimate in power, speed and convenience
• 140V DC motor operates almost any garage door quickly and smoothly
• Opening speed of 12 inches per second
• DoorDetect™ monitoring system improves overall safety
• Motion detection activates lights
• Soft start and soft stop for less wear and tear on door system

Odyssey® 1000 Belt or Chain Drive
MODEL 7030
Power and speed
• 140V DC motor operates almost any garage door quickly and smoothly
• Opening speed of 7.5 inches per second
• DoorDetect™ monitoring system improves overall safety
• Soft start and soft stop for less wear and tear on door system

Odyssey® 1200 Screw Drive
MODEL 7060
More power, speed and convenience
• 140V DC motor operates almost any garage door quickly and smoothly
• Opening speed of 10 inches per second
• DoorDetect™ monitoring system improves overall safety
• Motion detection activates lights
• Soft start and soft stop for less wear and tear on door system

Destiny® 1200 Belt or Chain Drive
MODEL 8030
Power, speed and convenience
• 140V DC motor operates almost any garage door quickly and smoothly
• Opening speed of 9 inches per second
• DoorDetect™ monitoring system improves overall safety
• Motion detection activates lights
• Soft start and soft stop for less wear and tear on door system

Legacy® 920 Belt or Chain
MODEL 7020H/7120H
Value, reliability and power
• Integrated OHDAnywhere™ optional (7120H)
• 24V DC motor for quiet operation
• Opening speed up to 7.0 inches/second
• For residential sectional doors up to 10” high
• 6 feet power cord standard

Legacy® 850 Belt or Chain
MODEL 2029
Value, reliability and power
• 24V DC motor for quiet operation
• Soft start and soft stop for less wear and tear on door system

Legacy® 650 Belt or Chain
MODEL 1029
Value and reliability
• 24V DC motor for quiet operation

ASSEMBLED IN THE U.S.A.

Battery Backup capable
Transform Your Home with the DoorView® visualization tool
Go to overheaddoor.com to try our on-line interactive software tool that lets you visualize what your home would look like with an Overhead Door™ garage door. Contact your local Overhead Door™ Distributor for more information and to receive a quote.

The Genuine. The Original.
Since 1921, Overhead Door Corporation has not only raised the standards of excellence for the industry – we’ve created them. We created the first upward-acting door in 1921 and the first electric garage door opener in 1926.

Today, our network of over 400 Overhead Door™ Distributors are still leading the way with innovative solutions and unmatched installation, service and support. So look for the Red Ribbon. It’s your guarantee that you’re getting the genuine, the original Overhead Door™ products and services.