$WindStorm^{{}^{\mathrm{m}}}$ wind load-rated systems



GARAGE DOOR SELECTION GUIDE

The Genuine. The Original.





The Genuine. The Original.



The genuine. The original. That's Overhead Door. We invented the first upward-lifting garage door in 1921 and the first electric door opener in 1926. Today, we continue to set standards in the industry with quality construction and designer details that add value and beauty to any home.

We've included information to help you choose the door system that's best for your architecture, your lifestyle and your climate. Should you have any questions of your own, simply contact the real authority: the Overhead Door Distributor. Our authorized Distributors are part of a nationwide network of sales and service professionals who share the Overhead Door name and Red Ribbon trademark — as well as our commitment to quality and service.

Call 1-800-929-3667 (DOOR) to contact an Overhead Door Distributor near you.

www.OverheadDoor.com

Choosing a Door

What to consider when selecting a door

Style

Whether your home is classic or contemporary, Overhead Door offers styles to best 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 fine craftsmanship, durability and style.

Comfort

If you live in a climate 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.

Environment

Our Thermacore® Collection is insulated to an R-value* of up to 17.5 for optimal thermal efficiency. Additionally, the overlays on our Courtyard Collection® doors are made from recycled wood byproducts.

^{*}Overhead Door Corporation uses a calculated R-value for our insulated doors.

WindStormTM

Wind load-rated system for garage doors



Reliable protection against high winds and wind-borne debris*

As the largest point of entry, your garage door offers the largest opportunity for high-pressure destruction. 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 from Overhead Door not only provide reliable protection against high wind damage, but also feature fine craftsmanship, trouble-free performance, lasting durability and eye-catching curb appeal.

Designed for strength and stability*

- Stringently tested to meet wind load requirements
- Optional impact rating on select door models
- Reinforced hardware throughout door
- · 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 requirements, wind zone requirements, exposure categories as well as aesthetics





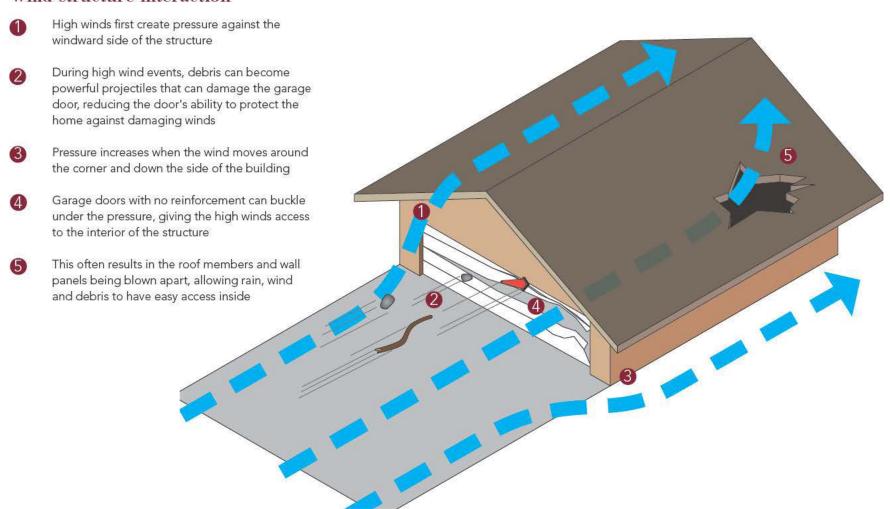


* Refer to wind load design standards chart on page 7 for door model and applicable code requirements. Wind load and impact resistance requirements vary by region. Please contact your local Overhead Door Distributor for more information.



Wind load-rated system for garage doors

Wind-structure interaction





Wind load-rated system for garage doors

Designed to protect your family and property

- Wind load options are available to meet local building codes whether it be the windy city of Chicago or a hurricane prone Miami.
- Additional wind load options that meet impact/cyclic tests required for insurance, may qualify the homeowner for insurance discounts.
- Overhead Door has a breadth of stylish wind load-rated door systems from wood doors to premium insulated doors, to include impact-rated glass windows. These products will meet the protection levels you demand to keep your family and property safe.

Protection against wind and weather

Overhead Door created an exclusive line of innovative wind load garage doors, fashioned to withstand nature's power. Our residential wind load options provide superior craftsmanship, durability, trouble-free performance and additional protection against:

- Hurricanes
- High-wind damages
- Internal and external pressure changes
- Wind-borne debris

Meets or exceeds these requirements

Overhead Door offers door systems that meet or exceed these following building codes or approval agency standards:

- International Building Code (IBC) and International Residential Code (IRC)
- Florida Building Code (FBC)
- Texas Department of Insurance (TDI)
- Miami-Dade County approved



Wind load design standards

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 for your home's specific wind load requirements and appropriate design pressure (PSF – pounds per square foot) to help in determining the best door option for your home's demands.

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

	Traditional Steel Collection	Thermacore® Collection	Courtyard Collection®		Durafirm Collection®	Impression Collection®	Modern Aluminum Collection	Signature® Carriage Collection
							!" !!! "	
		J.	Approval agenc	ies/building cod	es			
International Building Code (IBC) & International Residential Code (IRC)	•	•	•	•	•	•	•	•
Florida Building Code (FBC)	•	•	•	•	•	•	•	
Florida Building Code (FBC) — Impact Rated	•	•	•					
Texas Department of Insurance (TDI)	•	•	•	•		•		
Texas Department of Insurance (TDI) — Impact Rated	•	•	•					
Miami-Dade County	•	•	•					

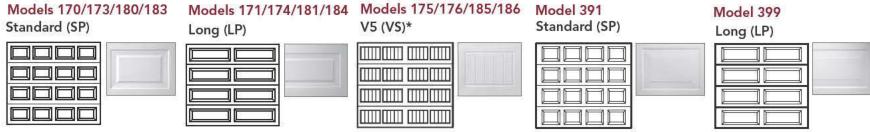
Traditional Steel Collection

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.



^{*}Uses short panel (SP) windows.

Color

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



^{**}Colors may vary slightly from these shown and may not be available on all individual models. See painting instructions for details.

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







[†]Called sandstone on Models 391 and 399.



Exposure B	Door width up to	Wind speeds/Design pressures MPH1/MPH2/PSF design pressure	lmpact resistant	Glass av Standard	ailable Impact
	9'	130 mph ¹ /1 <mark>60 mph²</mark> (+26.70/-30.20)	No	SP/LP ³	SP
Amenia visa i es	10'	120 - 130 mph ¹ /150 - 160 mph ² (+22.80/-25.80) - (+26.90/-30.40)	No	SP/LP ³	SP
390 Series	12′	120 mph ¹ /150 - 160 mph ² (+23.40/-26.50) - (+24.70/-27.90)	No	SP/LP ³	SP
	16′	110 - 150+ mph ¹ /140 - 200+ mph ² (+18.40/-20.50) - (+62.10/-69.20)	No	SP/LP ³	SP
	18′	120 - 150+ mph ¹ /1 <mark>50 - 200+ mph²</mark> (+21.80/-28.50) - (+54.50/-60.80)	No	SP/LP ³	SP
	9'	100 - 170 mph ¹ /120 - 200+ mph ² (+15.90/-18.20) - (+46.00/-52.00)	Yes ³	SP	SP ³
170/180 Series	16′	90 - 170 mph ¹ /1 <mark>15 - 200</mark> + mph ² (+12.40/-13.80) - (+46.00/-52.00)	Yes³	SP	SP ³
	18'	90 - 170 mph ¹ /1 <mark>15 - 200+ mph²</mark> (+12.40/-13.80) - (+46.00/-52.00)	Yes³	SP	SP ³

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.

SP - Short panel windows, LP - Long panel windows

Traditional Steel Collection

Embossed wood grain texture

Adds beauty, sophistication and durability.

Reinforced door construction

For maximum strength, durability and minimal weight.



paint.

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



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

Models	Thickness	Polystyrene insulation ⁴	R-value ^s	Heavy- duty steel ⁶	Backing ⁷	Warranty
170 SP 171 LP 175 VS	2"					15-year limited
173 SP 174 LP 176 VS	2"			•		Limited lifetime
180 SP 181 LP 185 VS	2"	•	7.4		Vinyl	20-year limited
183 SP 184 LP 186 VS	2"	•	7.4	•	Vinyl	Limited lifetime
391 SP 399 LP	2"	•	9.8		Steel	Limited lifetime

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

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

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

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.

Thermacore® Collection

Premium insulated garage doors

For premium construction and maximum thermal efficiency, Thermacore® Collection insulated steel doors are the ideal choice. Choose from three series 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.

Models 297, 194, 494	Models 296, 199, 497	Models 295, 198, 496	Models 298, 195, 495
Standard (SP)	V5 (VS)*	Long (LP)	Flush (FP)

^{*}Uses short panel (SP) windows.

Color

Colors may vary slightly from these shown and may not be available on all models. To custom paint your door, see painting instructions in the owner's manual.

Painted finishes



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









Exposure B	Door width up to	Wind speeds/Design pressures MPH ¹ /MPH ² /PSF design pressure	lmpact resistant	Glass av Standard	ailable Impact
	9'	150 mph ¹ /190 mph ² (+37.10/-42.00)	No	SP	SP
	10'	140 mph ¹ /180 mph ² (+32.60/-36.90)	No	SP	SP
290 Series	12'	130 mph ¹ /1 <mark>70 mph²</mark> (+28.40/-32.20)	No	SP	SP
	14'	120 mph ¹ /1 <mark>60 mph²</mark> (+24.50/-27.70)	No	SP	SP
	18'	110 mph ¹ /140 mph ² (+20.60/-23.60)	No	SP	SP
	20'	85 - 100 mph ¹ /110 - 130 mph ² (+11.70/-13.30) - (+17.50/-19.90)	No	SP	SP
	9'	90 - 150+ mph1 / 115 - 190 mph ² (+14.80/-14.80) - (+35.60/-40.20)	No	SP/LP	SP/LP
190/490 Series	10'	90 - 140 mph ¹ /115 - 180 mph ² (+14.80/-14.80) - (+37.00/-37.00)	Yes ³	SP/LP ³	SP/LP ³
	16′	120 - 150 mph ¹ /1 <mark>50 - 190 mph²</mark> (+22.00/-24.30) - (+35.70/-40.00)	Yes ³	SP/LP ³	SP/LP ³
	18'	90 - 150+ mph ¹ /120 - 200+ mph ² (+14.80/-14.80) - (+40.00/-44.50)	Yes³	SP/LP ³	SP/LP ³

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.

SP - Short panel windows, LP - Long panel windows

Thermacore® Collection

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.

Series	Thickness 	Polyurethane insulation	R-value³	U-factor⁴ 	Steel backing ⁵	Warranty
290	1"	•	9.31	0.24	•	20-year limited
190	1 3/8"	•	12.76	0.24	•	Limited lifetime
490	2"	•	17.5	0.16	•	Limited lifetime

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.

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



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.

[·] Wind load drawings available upon request.

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

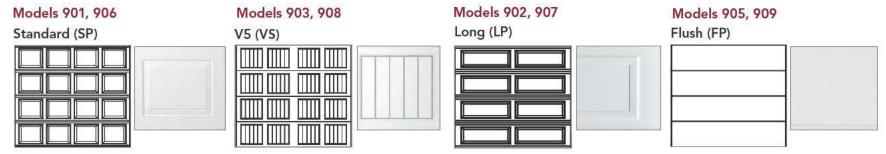
Thermacore® Collection

5745 and 5765 Series premium insulated 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 four 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.



Color

Colors may vary slightly from these shown and may not be available on all models. To custom paint your door, see painting instructions in the owner's manual.

Standard painted finishes















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









Exposure B	Door width	Wind speeds/Design pressures MPH ¹ /MPH ² /PSF design pressure	lmpact resistant	Glass av Standard	ailable Impact
· ·	up to	3 1	AT .	V .)
F74F C .	9'	90 - 200 mph ¹ / <mark>115 - 255 mph²</mark> (+12.80/-14.80) - (+64.00/-72.00)	Yes ³	SP/LP ³	SP/LP ³
5745 Series Models 901-905	16'	90 - 170 mph ¹ / 115 - 220 mph ² (+12.40/-13.80) - (+46.00/-52.00)	Yes ³	SP/LP ³	SP/LP ³
	18'	90 - 170 mph ¹ /115 - 225 mph ² (+12.40/-13.80) - (+46.00/-52.00)	Yes³	SP/LP ³	SP/LP ³
	9'	90 - 200 mph ¹ / <mark>115 - 255 mph²</mark> (+12.80/-14.80) - (+64.00/-72.00)	Yes ³	SP/LP ³	No
5765 Series Models 906-909	16′	90 - 170 mph ¹ /115 - 220 mph ² (+12.40/-13.80) - (+46.00/-52.00)	Yes³	SP/LP ³	No
	18'	90 - 170 mph ¹ /115 - 225 mph ² (+12.40/-13.80) - (+46.00/-52.00)	Yes ³	SP/LP ³	No

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.

· Wind load drawings available upon request.

SP - Short panel windows, LP - Long panel windows

Thermacore® Collection

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.



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.

Series	Thickness	Polyurethane insulation	R-value³	Steel backing ⁵	Warranty
5745	1 3/8"	•	12.12	•	Limited lifetime
5765	1 ⁷ /8"	•	16.22	•	Limited lifetime

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.

For 5745 only:

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

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.

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

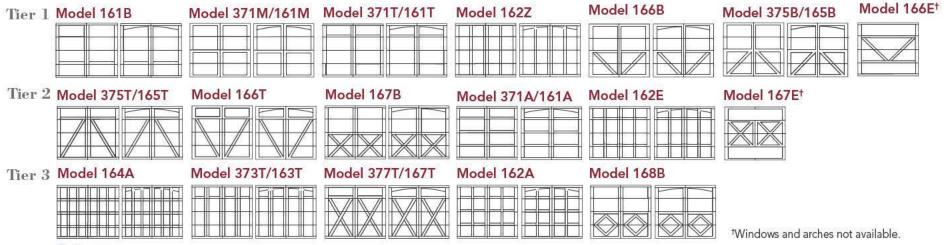
⁵ Backing: Steel – Interior-side steel backing for strength and finished appearance.

Courtyard Collection®

Custom steel garage doors

Our Courtyard Collection® doors give you the beauty of wood with the durability of steel. Each door model provides varied design options to withstand your home's unique wind load needs.

Panel style



Color

Door overlays and window trim are available in the colors shown or can be painted to match your home's décor (additional charges may apply). Actual door colors may vary slightly from brochure photos due to fluctuations in printing process.



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.



Decorative hardware









Exposure B	Door width up to	Wind speeds/Design pressures MPH ¹ /MPH ² /PSF design pressure	Impact resistant	Glass av Standard	ailable Impact
NO.	9'	150 mph ¹ /190 mph ² (+37.10/-42.00)	No	No	No
	10'	140 mph ¹ /180 mph ² (+32.60/-36.90)	No	No	No
370 Series	12'	130 mph ¹ /1 <mark>70 mph²</mark> (+28.40/-32.20)	No	No	No
	14'	120 mph ¹ /1 <mark>60 mph²</mark> (+24.50/-27.70)	No	No	No
	18'	110 mph ¹ /1 <mark>40 mph²</mark> (+20.60/-23.60)	No	No	No
	20'	85 - 100 mph ¹ /110 - 130 mph ² (+11.70/-13.30) - (+17.50/-19.90)	No	No	No
	9'	90 - 150+ mph1 / 115 - 190 mph ² (+14.80/-14.80) - (+35.60/-40.20)	No	LP	LP
4/05 :	10'	90 - 140 mph ¹ /115 - 180 mph ² (+14.80/-14.80) - (+37.00/-37.00)	Yes ³	LP ³	LP ³
160 Series	16'	120 - 150 mph ¹ /150 - 190 mph ² (+22.00/-24.30) - (+35.70/-40.00)	Yes³	LP	LP
	18'	90 - 150+ mph ¹ /120 - 200+ mph ² (+14.80/-14.80) - (+40.00/-44.50)	Yes³	Lb ₃	LP ³

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.

Courtyard Collection®

Thermacore® insulation

Foamed-in-place, CFC-free 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.

	370 Series	160 Series
Wood grain trim	•	
Color matched trim		
Warranty	20-year limited	Limited lifetime
Polyurethane insulation	•	•
R-value ⁴	9.3	12.76
U-factor ^s	0.24	0.24
Overlay thickness	3∕8"	3/4"
Door thickness	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.

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.

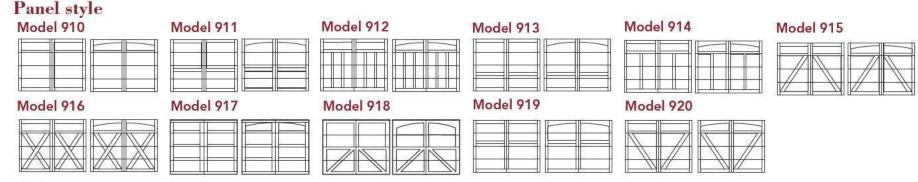
[·] Wind load drawings available upon request.

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

Courtyard Collection®

7565 Series custom steel 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.



Color

Overlays are provided in White only. For a two-toned look, choose from Almond, Taupe and Brown as shown below. Actual door colors may vary slightly from brochure photos due to fluctuations in printing process.



Window style

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



Decorative hardware









Exposure B	Door width up to	Wind speeds/Design pressures MPH¹/MPH²/PSF design pressure	lmpact resistant	Glass av Standard	ailable Impact
	9'	90 - 200 mph ¹ / <mark>115 - 255 mph²</mark> (+12.80/-14.80) - (+64.00/-72.00)	Yes³	LP ³	LP ³
Model 7565	16′	90 - 170 mph ¹ / 115 - 220 mph ² (+12.40/-13.80) - (+46.00/-52.00)	Yes³	LP ³	LP ³
	18′	90 - 170 mph ¹ /115 - 225 mph ² (+12.40/-13.80) - (+46.00/-52.00)	Yes³	LP ³	LP ³

Courtyard Collection®



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.



Durable overlays

These smooth overlay boards are specially treated to resist termites, weather and fungal decay.

Joint Seals

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

7565 Series 910-920 Models

Wood grain trim	•
Warranty	Limited lifetime
Polyurethane insulation	•
R-value⁴	12.12
Overlay thickness	⁷ /16"
Door thickness	1 3/8"
Commercial track	Optional
Residential track	•
Ball bearing rollers with nylon tires	•

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).

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.

SP - Short panel windows, LP - Long panel windows

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.

Model 301	Model 302	Model 303	Model 304	Model 307	Model 308	Model 309

Finishes

Actual door colors may vary slightly from brochure photos due to fluctuations in staining or the printing process.



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.



16 Window Square

- 2 Plain Window Square 12 Window Square

- 12 Window Square 24 Window Square
- 16 Window Square 32 Window Square
- 1 Windows for single car doors.
- 2 Windows for double car doors.

Decorative hardware









Exposure B	Door width up to	Wind speeds/Design pressures MPH ¹ /MPH ² /PSF design pressure	lmpact resistant	Glass av Standard	ailable Impact
	9'	90 -165 mph ¹ /115 - 215 mph ² (+12.80/-14.80) - (+45.30/-51.20)	No	LP ³	No
	10'	90 -160 mph ¹ /115 - 205 mph ² (+12.80/-14.80) - (+41.00/-46.30)	No	LP ³	No
300 Series	16'	90 - 160 mph ¹ /115 - <mark>205 mph²</mark> (+12.40/-13.80) - (+39.20/-43.70)	No	LP3	No
	18′	110 - 140 mph ¹ /140 - 180 mph ² (+18.50/-20.70) - (+30.00/-33.50)	No	LP3	No

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.

LP - Long panel windows

Carriage House Collection



Polyurethane insulation

Provides thermal efficiency with an R-value*



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.



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.

Durafirm Collection®

Rugged garage doors

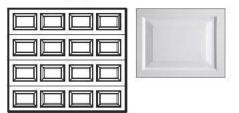
With their rugged, thick vinyl skin, Durafirm Collection® 870 Series doors provide incredible strength and durability which makes this door an ideal choice for extreme weather conditions.

Panel style

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

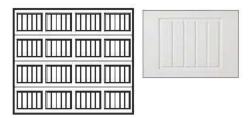
Model 870

Standard (SP)



Model 872

V5 (VS)



Color

Doors are available in four standard colors.







Monterey Sand





Adobe Cream



Model 872 7' high, V5 panel, Glacier White finish, Clear windows

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





Stockton

Sunburst







Sunburst 8

Decorative hardware









Exposure B	Door width up to	Wind speeds/Design pressures MPH ¹ /MPH ² /PSF design pressure	Impact resistant	Glass av Standard	ailable Impact
870 Series	9'	120-160 mph ¹ /150-200+ mph ² (+22.90/-26.30) - (+41.60/-46.30)	No	SP	No
	16'	120-165 mph ¹ /150-200+ mph ² (+23.00/-25.00) - (+43.40/-48.40)	No	SP ³	No
	18′	110-160 mph ¹ /140-200 mph ² (+18.50/-20.70) - (+39.20/-43.70)	No	SP ³	No

SP - Short panel windows, LP - Long panel windows

Durafirm Collection®

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.

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



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.

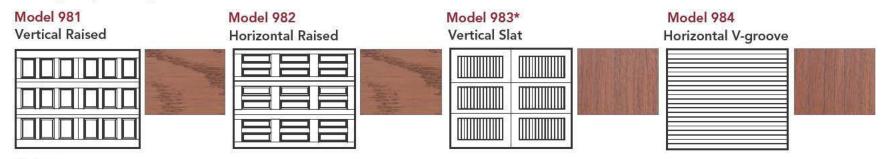
Impression Collection®

Beautiful exterior. Durable interior.

Impression 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.



Color

Stain colors shown below on oak wood grain pattern. Actual door colors may vary slightly from brochure photos due to fluctuations in staining or the printing process.



Honduran Mahogany Clay 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.



For Horizontal Raised and Horizontal V-groove panels



For Vertical Raised and Horizontal V-groove panels *No windows available for Model 983

Therma-Tru is a registered trademark and AccuGrain is a trademark of Therma-Tru Corporation.

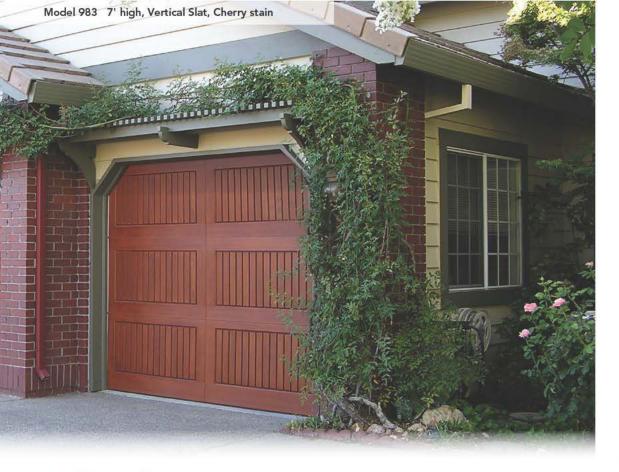
Decorative hardware











Exposure B	Door width up to	Wind speeds/Design pressures MPH ¹ /MPH ² /PSF design pressure	lmpact resistant	Glass available Standard Impact	
000 5	9'	120-160 mph ¹ /1 <mark>50-200 mph²</mark> (+22.90/-26.30) - (+41.00/-46.30)	No	SP	No
980 Series	16'	100-150 mph ¹ /120-190 mph ² (+15.30/-17.00) - (+34.40/-38.30)	No	SP	No

- · Wind load drawings available upon request.
- · Vertical Slat design cannot have windows.

Impression Collection®

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
Utilizes Therma-Tru™
AccuGrain™ technology
for 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.



Model 982 7' high, Horizontal Raised panel, Cherry stain with window panel

SP - Short, LP - Long panel windows

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.

Modern Aluminum Collection

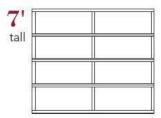
Sleek, sophisticated garage doors

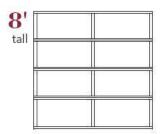
The Modern Aluminum Collection combines glass and aluminum for unparalleled visual appeal, strength and light infiltration. It's a unique solution for your extraordinary home.

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





Color

Anodized finishes

Clear anodized finish comes standard. Dark bronze and black anodized finishes are also available. To add further distinction, solid aluminum panels are available.







Clear

Dark Bronze

Black

Powder coat finishes

Select from 197 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.



Clear Double Strength (DSB)



Obscure



Satin Etched

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



^{*} Insulated options available



Exposure B	Door width up to	Wind speeds/Design pressures MPH ¹ /MPH ² /PSF design pressure	Impact resistant	Glass available Standard Impact	
	10'	150 mph ¹ /200+ mph ² (+50.00/-50.00)	No	Yes	No
	14'	150 mph ¹ /180 mph ² (+37.00/-37.00)	No	Yes	No
Model 521	16'	140 mph ¹ /1 <mark>70 mph²</mark> (+31.00/-31.00)	No	Yes	No
Model 521	18′	130 mph ¹ /150 mph ² (+26.00/-26.00)	No	Yes	No
	20'	120 mph ¹ /1 <mark>40 mph²</mark> (+22.00/-22.00)	No	Yes	No
	22'	110 mph ¹ /130 mph ² (+18.00/-18.00)	No	Yes	No

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.

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.



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.

Signature® Carriage Collection

Premium wood garage doors

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.

Parson Collection	Drake Narrow (570 DN)	Drake Wide (570 DW)	Kingston Narrow (571 N)	Kingston Wide (571 W)			
Ponderosa Collection	Buchanan (i) (580 B)	Dakota (i) (580 D)	Sierra (i) (580 S)	Austin (570 A)	Austin Grooved (570 A)	Baxter (570 B)	Baxter Grooved (570 B)
Villa Madre Collection	Ortega (i) (580 Base)	Medina (i) (580 M)	Pizarro (i) (580 P)	Cruz (i) (580 C)	Castille Grooved (570 C)		
					(i) - i	nsulated	

Wood options

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



Window style

For the full selection of windows for Signature® Carriage 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









5	Door	Wind speeds/Design pressures	Impact	ı Glass ayailable	
Exposure B	width up to	MPH1/MPH2/PSF design pressure	resistant	Standard	Impact
	9'	140 mph¹/ <mark>NA mph²</mark> (+31.20/-35.80)	No	SP	No
570 Series	16′	120 mph¹/ <mark>NA mph²</mark> (+23.00/-25.00)	No	SP	No
	18'	100 mph¹/NA mph² (+15.30/-17.00)	No	SP	No
	9'	130 -140 mph ¹ /NA mph ² (+31.20/-35.80) - (+32.00/-32.00)	No	SP	No
580 Series	16'	120 mph¹/ <mark>NA mph²</mark> (+23.00/-25.00)	No	SP	No
	18'	100 mph ¹ /NA mph ² (+15.30/-17.00)	No	SP	No

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.

SP - Short panel windows

Signature® Carriage Collection

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.



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).

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

Full custom door

Design your own beautiful wood garage door built to match the architectural style of your home.



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.

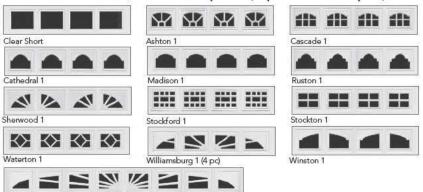
Wind load drawings available upon request.



Thermacore® Collections

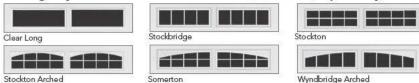
Window styles for Thermacore® Collection

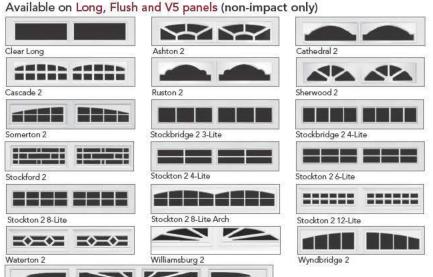
Available on Standard, Flush and V5 panels (impact and non-impact)



Williamsburg 1 (8 pc)

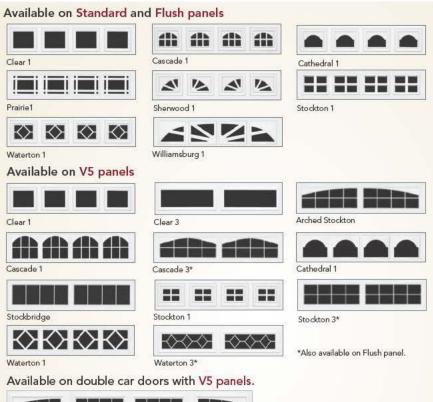
Carriage style window trim Available on 190 Series (impact only)





Insulated windows available on 190 and 490 Series.

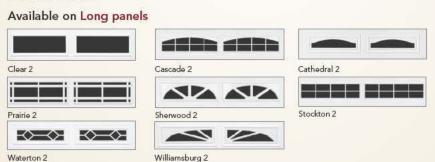
Window styles for Thermacore® 5745 & 5765 Series





Arched Stockton Double

Waterton 2



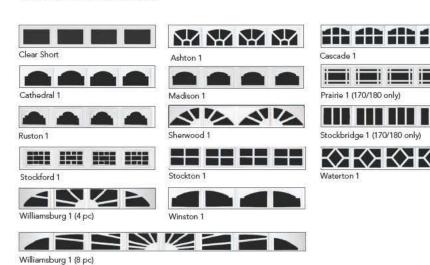
Williamsburg 2 (4 pc)

Windows

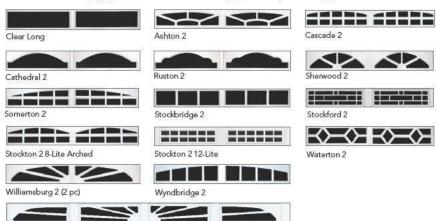
Traditional Steel and Signature® Carriage Collection

Window styles for Traditional Steel Collection

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

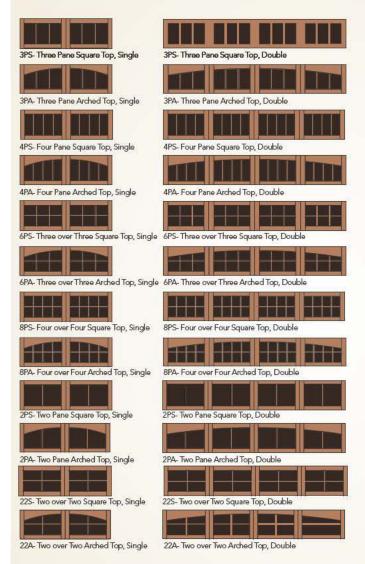


Available on Long panel, Model 399 only (non-impact only)



Williamsburg 2 (4 pc)

Window styles for Signature® Carriage Collection



Insulated windows available on 580 Series.







6PD-Three over Three Double Arched Top, Double



8PD- Four over Four Double Arched Top, Double



2PD-Two Pane Double Arched Top, Double



22D- Two over Two Double Arched Top, Double

Available on all except Austin, Baxter and Castille Models:



12S- Six over Six Pane Square Top, Single



12S- Six over Six Pane Square Top, Double

Available on all except Castille Model:



12A-Six over Six Pane Arched Top, Single



12A- Six over Six Pane Arched Top, Double



12D- Six over Six Pane Double Arched Top, Double

Hardware

For style and strength

Decorative hardware

Further individualize your garage door with our distinctive decorative exterior handles and hinces. 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





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:

- Horizontal reinforcement steel struts
- Upgraded springs
- 3 Heavy-duty track
- 4 Heavy-duty rollers



Openers

Designed for performance



Destiny® 1500 Screw Drive

The ultimate in power, speed and convenience

- 11/4 *HPc 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® 1200 Screw Drive

More power, speed and convenience

- 1 HPc** 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

Power, speed and convenience

- 1 HPc** 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

Odyssey® 1000 Belt or Chain Drive

Power and speed

- 3/4 HPc*** 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



Legacy® 850 Belt or Chain

Value, reliability and power

- 1/2 HPc[†] Power Plus motor
- DC motor for quiet operation
- Soft start and soft stop for less wear and tear on door system



Standard Drive® 650 Belt or Chain

Value and reliability

- 1/2 HPc^{††}motor
- DC motor for quiet operation



- 11/4 Horsepower comparable (HPc) designates that his garage door opener meets Overhead Door's lifting force specifications for 11/4 HP garage door openers.
- ** 1 Horsepower comparable (HPc) designates that this garage door opener meets Overhead Door's lifting force specifications for 1 HP garage door openers.
- *** 3/4 Horsepower comparable (HPc) designates that this garage door opener meets Overhead Door's lifting force specifications for 3/4 HP garage door openers.
- † 1/2 Horsepower comparable (HPc) PowerPlus designates that this garage door opener exceeds Overhead Door's lifting force specifications for 1/2 horsepower garage door openers.
- 1/2 Horsepower comparable (HPc) designates that this garage door opener meets Overhead Door's lifting force specifications for 1/2 horsepower garage door openers.

Nationwide distributor network



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2501 S. State Hwy. 121 Bus., Suite 200, Lewisville, TX 75067 1-800-929-DOOR • sales@overheaddoor.com www.OverheadDoor.com