

The Genuine. The Original.



WindStorm™ wind load rated  
door system selection guide

## 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, however, simply contact the real authority: the Overhead Door Red Ribbon Distributor. Our authorized Red Ribbon 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-DOOR to contact an Overhead Door Red Ribbon Distributor near you.

[www.OverheadDoor.com](http://www.OverheadDoor.com)

## What to consider when choosing a door to best suit your needs:

### 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 steel doors from our elegant Courtyard Collection®, Thermacore® 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 have children or pets, we recommend a door with enhanced safety features. Our Impression Collection™ doors provide peace of mind with pinch-resistant panels that help protect fingers. If you live in an area that is prone to high winds, our WindStorm™ doors 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, energy-efficient door to ensure your comfort. Some of our insulated doors, including the Courtyard Collection® and Thermacore®, also feature a steel backing that lends a finished, clean look to your garage's interior.

### Environment

We are committed to helping sustain our planet. The steel we use to manufacture our doors has 60% recycled content. The aluminum we use for extrusions has nearly 30% recycled content and the glass used in our doors has over 25% recycled content.

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

### 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. Only WindStorm™ rated doors from Overhead Door not only provide reliable protection against high wind damage, but also deliver door products that feature fine craftsmanship, trouble-free performance, lasting durability and eye-catching curb appeal.

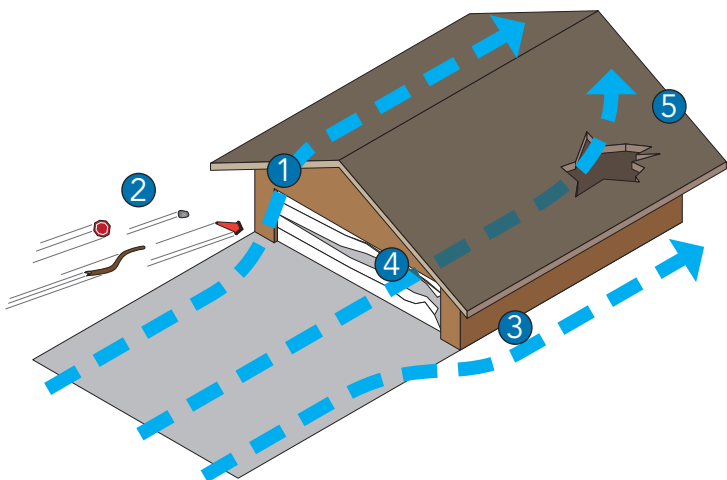
### Designed for strength and stability

- 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 energy efficiencies
- Various door system designs to meet door size requirements, wind zone, 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 Red Ribbon 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 and speeds up 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 blown apart, allowing rain, wind and debris to have easy access inside

### Designed to protect your family and property

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- ▶ Wind load door systems designed to meet local building requirements for wind speed to accommodate the needs of the windy city of Chicago to a Category 5 hurricane in 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.

\* Category 5 is defined as a 3-second gust of 195 mph. As calculated according to ASCE 7-05 with assumptions in DASMA 155k for a 10' x 10' door with roof pitch of 10 degrees and exposure of 1.0.

### Protection against wind and weather

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Overhead Door created an exclusive line of innovative wind load garage doors, fashioned to withstand nature's power and keep your family and possessions safe. Our residential wind load options provide superior craftsmanship, durability and trouble-free performance to protect your home against:

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

### Meets or exceeds requirements

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

- International Code Council
- Florida Building Commission
- Miami-Dade Building Code Compliance Office
- Texas Department of Insurance

Wind load design standards

Approval agencies/  
building codes



Traditional Steel



Courtyard Collection®



Thermacore®



Impression Collection™



Durafirm Collection™



Modern Aluminum



Signature™ Collection

International Code Council	Florida Building Commission — Static Pressure —	Florida Building Commission — Impact —	Texas Department of Insurance	Miami-Dade Building Code Compliance Office
●	●	●	●	●
●	●	●	●	
●	●	●	●	
●	●			
●	●			
●	●			
●				
●				

# Traditional Steel

## Essential garage doors

Every Traditional Steel garage door combines Overhead Door's legendary performance and durability with our best value.

### Panel style

Our Traditional Steel Doors feature a simulated wood-grain embossment to enhance the appearance of your door. Choose from standard or long panel designs.

170/180 Series only:

Standard panel (S)   Long panel (L)

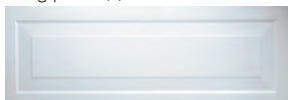


V12 panel (V)



390 Series only:

Standard panel (S)   Long panel (L)



### 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†

†Available on most 390 Series door sizes. ††Called sandstone on 391 & 399 Series.

\*Colors may vary slightly from these shown and may not be available on all individual series. See painting instructions for details.

### Decorative hardware

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



For specific hardware details please see page 24.  
See pages 22 – 23 for window options.

### Meets building code/agency requirements

- International Code Council
- Florida Building Commission (static pressure & impact)
- Miami-Dade Building Code Compliance Office
- Texas Department of Insurance



R-Value  
up to 9.8



Up to a limited  
lifetime warranty



Long-term performance, durability and value.



Built better from the inside out





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



**Galvanized steel stiles**  
For maximum strength and minimal weight.



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



**Bulb-type bottom weather seal**  
Guards against wind and rain while providing a cushion when closing

Model series

Series	170 S 171 L 172 V	173 S 174 L 177 V	180 S 181 L 1812 V	183 S 184 L 187 V	391 S 399 L
Polystyrene insulation <sup>1</sup>			●	●	●
R-value <sup>2</sup>			7.8	7.8	9.8
Heavy-duty steel <sup>3</sup>		●		●	
Backing <sup>4</sup>			Vinyl	Vinyl	Steel
Warranty	15-year limited	Lifetime limited	20-year limited	Lifetime limited	Lifetime limited
Panel style    S – Standard, L – Long, V – V-12					

<sup>1</sup>Polystyrene insulation: Refers to lightweight insulation for improved energy efficiency and sound reduction

<sup>2</sup>R-value: The higher the R-value, the greater the insulating properties.

<sup>3</sup>Heavy-duty steel: A thicker, more durable and dent-resistant option, designed to withstand additional knocks and bumps from outdoor activity

<sup>4</sup>Backing: Vinyl – For a clean, more finished look and added sound absorption  
Steel – Interior-side steel backing for strength and finished appearance



















# Courtyard Collection®

## Custom steel garage doors

The Courtyard Collection® combines the classic look of a carriage house door with the value and durability of insulated steel. These doors feature our Thermacore® construction (steel-polyurethane-steel), in your choice of 18 distinctive designs. These doors can include arches and full custom doors. Each door can be wind load-rated to meet your local building codes. Each door has optional hardware and windows available. All Courtyard Collection® doors carry a limited lifetime warranty.\*

### Select from eighteen distinctive designs

Go ahead. Customize to your heart's content. Our designs are available with or without windows. Base door comes in six colors; frames, window trim and overlays are white or can be color matched to any of our base door colors (160 Series only). Doors may also be painted with acrylic latex paint to match your home's color scheme.\*\*

Tier 1	370 Series	160 Series	Tier 2	370 Series	160 Series	Tier 3	370 Series	160 Series
 161B		•	 375T/165T	•	•	 164A		•
 371M/161M	•	•	 166T		•	 373T/163T		•
 371T/161T	•	•	 167B		•	 377T/167T	•	•
 162Z		•	 167E†		•	 162A		•
 166B		•	 371A/161A	•	•	 168B		•
 166E†		•	 162E		•			
 375B/165B	•	•						

### Six Standard available colors



White



Almond



Sandstone



Terra  
Bronze



Chestnut  
Brown



Hunter  
Green

The beauty of wood. The durability of steel.



Built better from the inside out



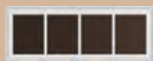
• **Thermacore® insulation**  
CFC-free polyurethane insulation with Thermacore® construction provides an R-value of up to 12.76.



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

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

## Windows are available with insulated glass and a variety of designs



Stockbridge



Stockton



Stockton arch



Somerton



Wyndbridge arch



<sup>†</sup> Windows and arches not available on these series.

\* Limited and non-transferable. See warranty for full details.

\*\* See painting instructions for details.

## Decorative hardware

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



For specific hardware details please see page 24.  
See pages 22 – 23 for window options.

## Meets building code/agency requirements

- International Code Council
- Florida Building Commission (static pressure & impact)
- Texas Department of Insurance

**FULL**  
WEATHERSEAL

Full bottom weatherseal

**12.76**

R-Value  
up to 12.76

**LIFETIME**  
WARRANTY

Up to a limited  
lifetime warranty

For premium construction and maximum thermal efficiency, a Thermacore® insulated steel door is the ideal choice. Models feature our sandwich construction of steel-polyurethane-steel and between-section seals with thermal breaks for reduced air infiltration. These doors will give you many years of reliable operation and will help keep your home comfortable in cold and hot climates.

Panel style

Our Thermacore® doors feature wood grain embossment to enhance the appearance of your door. Choose standard or flush panel design.



Standard raised panel



Woodgrain textured flush panel

Color

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



White



Almond



Sandstone



Terra  
Bronze



Chestnut  
Brown



Hunter  
Green

\*Colors may vary slightly from these shown and may not be available on all individual series. See painting instructions for details.

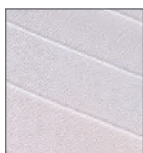
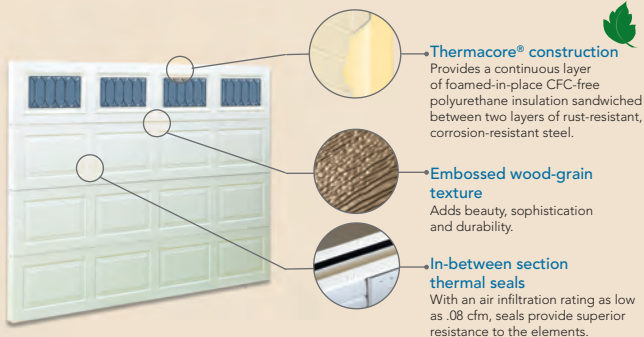
Model series

Series	297 (S) 298 (F)	194 (S) 195 (F)	494 (S) 495 (F)
Polurethane insulation	●	●	●
R-value	9.31	12.76	17.5
U-factor	0.24	0.24	0.16
Steel backing	●	●	●
Warranty	20-year limited	Lifetime limited	Lifetime limited
Panel style	(S) Standard, (F) Flush		

Premium construction and maximum thermal efficiency.



Built better from the inside out



**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

See pages 22 – 23 for window options.

**Meets building code/agency requirements**

- International Code Council
- Florida Building Commission (static pressure & impact)
- Texas Department of Insurance



Full bottom weatherseal



R-Value  
up to 17.5



Up to a limited  
lifetime warranty

# Impression Collection™

Beautiful exterior. Durable interior.

Impression Collection™ doors have been magnificently engineered with an artfully molded wood-grain fiberglass surface that conceals its durable steel construction.

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. An R-value of up to 7.6 helps control costly heat loss and gain. This type of insulation can diminish street noise and makes the door quieter as it operates.

## Color

Doors are available in ten standard colors.



Cherry



White



Mahogany



Walnut



Oak



Clay



Green



Gray



Honduran  
Mahogany



Red Oak

\*Colors may vary slightly from these shown and may not be available on all individual series. See painting instructions for details.

## Windows

Window design for horizontal raised panel doors



Window design for vertical raised panel doors



## Obscured Glass

To further enhance your door's appearance, choose our obscured glass panels.

## Vertical Slat Glass Options

A variety of window designs available to enhance your garage door and home. Available in vertical styling only.



6 Windows



8 windows



12 Windows



16 Windows



20 Windows

## Meets building code/agency requirements

- International Code Council
- Florida Building Commission (static pressure)

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

Transform the look of your home with a beautiful door that looks just like real wood but without the maintenance.



Built better from the inside out



• **Foamed-in-place polystyrene insulation** with an R-value of up to 7.6 helps control costly heat loss and gain. This type of insulation can diminish street noise and makes the door more quiet as it operates.



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

## Panel Style

The Impression Collection™ comes in a variety of architectural styles to add beauty and value to your home. 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.



Horizontal V-groove style



Raised panel horizontal style



Raised panel vertical style



Vertical slat



Full bottom weatherseal



R-Value up to 7.6



Up to a limited lifetime warranty on steel backing



Up to a limited 3-year warranty on fiberglass exterior



With their rugged, thick vinyl skin, the Durafirm Collection™ 870 Series doors are the ideal escape from wood door maintenance and steel door dent and rust worries.

### Color

Doors are available in four standard colors.



Glacier White



Cape Cod Gray



Monterey Sand



Adobe Cream

### Privacy Glass

Choose from clear or frosted glass.



### Window Trim

A variety of window designs to enhance your garage door and home.



Cathedral



Ruston



Stockton



Sunburst



Sunburst 4



Sunburst 8





## Built better from the inside out



### Bonded steel, polyurethane and vinyl

provide you with incredible strength, impressive sound absorption and energy efficiency with an R-value of up to 11.75.



### Deep raised panels

have rich woodgrain texture for the timeless look of freshly painted hardwood. Available in standard panel style only.

### Through-and-through color

PVC construction means 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** of 22-gauge steel C-channels run the full length of each panel and are anchored to interior steel stiles for strength.

## Warranty

15 year limited warranty

## Meets building code/ agency requirements

- International Code Council
- Florida Building Commission (static pressure)

**FULL**  
WEATHERSEAL  
Full bottom  
weatherseal



R-Value  
up to 11.75



Up to a limited  
15-year warranty

# Modern Aluminum Collection

Sleek, sophisticated garage doors

Go ahead - indulge your sense of design and innovation with a garage door that sets your home apart. Our Modern Aluminum Collection combines glass and aluminum for unparalleled visual style, strength and light infiltration. It's a unique solution for your extraordinary home.

## Heavy-duty frame

The 521 Series frame is a wide, heavy-duty frame and it offers an array of frame finishes and special custom options in door sizes up to 20' wide. The 521 Series can also be fitted to meet wind load building requirements.

## Aluminum product color palette

The color palette for the Modern Aluminum Collection includes 197 powder coat finishes. Clear anodized finish is standard.



A unique contemporary look to set your home apart.



Built better from the inside out



**Commercial-grade frame**

Aluminum frame is low maintenance and corrosion-resistant.

**Finish**

Standard finish is clear anodized.

Bronze anodized or your choice of 197 powder coat colors are also available.

## Glass

Modern Aluminum Collection offers an array of glass choices, including double strength, tempered, insulated, frosted, mirrored and tinted glass. Light-filtering glass is also available to add style while maintaining privacy.



Frosted



Mirrored

## Meets building code/agency requirements

- International Code Council
- Florida Building Commission (static pressure)

**FULL**  
WEATHERSEAL

Full bottom weatherseal



Up to a limited 1-year warranty

# Signature™ Carriage Collection

## Premium wood garage doors

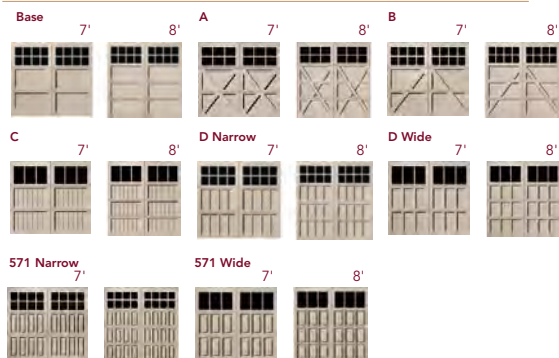
Fine woods and precision Amish craftsmanship make each Signature™ Carriage Collection door an architectural work of art. Choose from classic designs, available in 3-section, 4-section or custom styles. You can also design your own door to match your home's architectural style. Optional decorative hardware (pg. 24) adds the finishing touch.

### Select from classic design patterns

#### 580 Pattern Styles (shown with optional glass top section)



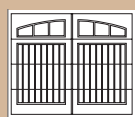
#### 570 Pattern Styles (shown with optional glass top section)



#### 560 Pattern Styles



#### Full custom door



Series #577, 588

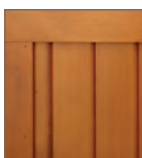
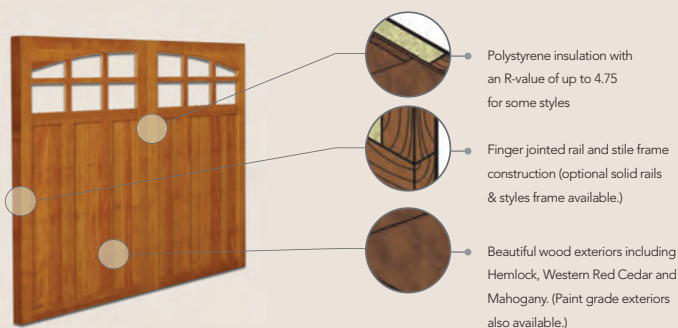
Design your own beautiful wood garage door built to match the architectural style of your home. Custom-made window options give it the finishing touch.

Send your drawings to your local Overhead Door Red Ribbon Distributor for your custom price quote.

Transform the look of your home with a beautiful custom-crafted wood door.



Built better from the inside out



**Paint or stain**  
Available in paint-grade or stain grade wood.



**Durable construction**  
Heavy-duty track and hardware.



Full bottom weatherseal



R-Value  
up to 4.75



Up to a limited  
1-year warranty

## Meets building code/agency requirements

- International Code Council

# Window Options

## Enhance your doors

### Glass and decorative trim

Decorative trim windows come standard with double strength glass, or choose from our optional glass upgrades including tempered glass, clear Lexan<sup>®</sup>, solar bronze and insulated glass (in select door series). Available in standard and long (ranch) styles.

#### Standard



Ashton 1



Cascade 1



Cathedral 1



Full Vision



Madison 1



Ruston 1



Sherwood 1



Stockford 1



Stockton 1



Waterton 1



Williamsburg 4



Winston 1



Williamsburg 8

#### Long panel



Ashton 2



Cascade 2



Cathedral 2



Madison 2



Ruston 2



Sherwood 2



Stockford 2



Stockton 2



Stockton 4 Lite



Waterton 2



Williamsburg 2



Williamsburg 4



Winston 2

#### Carriage panel



Stockbridge



Stockton Arch



Stockton



Somerton



Wynbridge



Lexan is a registered trademark of General Electric Company

## Impact window options†

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Windows made of clear, impact-resistant polycarbonate are available and are compatible with a variety of decorative trim styles to complement any home design. The polycarbonate has a special scratch resistant coating which also prevents yellowing. All wind load-rated impact options are engineered to meet local area wind load code requirements.

## Obscured glass

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To further enhance your door’s appearance, choose our obscured glass panels.



Obscure glass (standard)



Obscure glass (long)

†For coastal, windborne debris regions and standard panel size only

# Hardware

## Beautiful garage doors

### Decorative hardware

Further individualize your garage door with our distinctive decorative exterior handles and hinges. Available as optional accessories on our door collections.

#### Value



Spear hinge  
(16" and 18" available)  
16"-410094-0015/18"-410094-0016



Bean hinge  
(16" only)  
410094-0014



Small  
spear  
handle  
410094-0013



Large  
bean  
handle  
410094-0011



Large  
spear  
handle  
410094-0012

#### Premium



Spade design hinge  
410094-0008



Heritage design hinge  
410094-0002



Bean design hinge  
410094-0010



Traditional hammertone hinge  
410094-0001



Traditional  
hammertone  
handle  
410094-0013



Iron  
studs  
410094-0004



Bean design handle  
410094-0009



Large hammered  
iron handle  
410094-0005



## Wind load hardware

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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

The ultimate in power, speed and convenience

- 1 HPc\*\*\*\* motor operates almost any garage door quickly and smoothly
- Opening speed of 12 inches per second
- Door Detect™ monitoring system improves overall safety
- Motion detection activates lights



## Odyssey™ 1200 Screw Drive

More power, speed and convenience

- 3/4 HPc\*\*\* PowerPlus motor operates almost any garage door quickly and smoothly
- Opening speed of 10 inches per second
- Door Detect™ monitoring system improves overall safety
- Motion detection activates lights



## Destiny™ 1200 Belt or Chain Drive

Power, speed and convenience

- 3/4 HPc\*\*\* PowerPlus motor operates almost any garage door quickly and smoothly
- Opening speed of 9 inches per second
- Door Detect™ monitoring system improves overall safety
- Motion detection activates lights



## 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
- Door Detect™ monitoring system improves overall safety



## Legacy® 800 Belt or Chain

### Value, reliability and power

- 1/2 HPc†† Power Plus motor
- DC motor for quiet operation
- Dual-pinion drive gear system for extended durability



## Standard Drive® Belt or Chain

### Value and reliability

- 1/2 HPc† motor
- DC motor for quiet operation
- Dual drive chain system delivers reliable performance

† 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.

†† 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

\*\* 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.

\*\*\* 3/4 Horsepower comparable (HPc) PowerPlus designates that this garage door opener exceeds Overhead Door's lifting force specifications for 3/4 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.

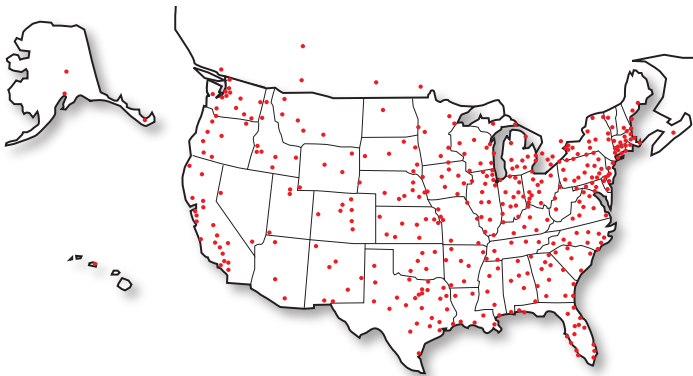
## Industry-leading warranty

Overhead Door garage doors are backed by industry-leading warranties.

All Overhead Door garage doors include a one-year non-transferable, limited warranty ensuring high standards for materials and workmanship.\*

\*See warranty for full details.

## Nationwide distributor network



## Table/chart terminology

**Polyurethane insulation:** Foamed-in-place insulation for superior efficiency and strength, as well as higher R-value.

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

**R-value:** The higher the R-value, the greater the insulating properties in hot and cold climates.

**U-factor:** A standardized measure of the rate at which the heat passes through a material. The lower the U-value, the greater the insulating properties.

**High tensile strength steel:** For added durability and dent resistance.

**Backing:** Vinyl: For a clean, more finished look and added sound absorption.

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

## The Genuine. The Original.



Overhead Door Corporation  
2501 S. State Hwy.121, Suite 200. Lewisville, TX 75067

**1-800-929-DOOR • [www.OverheadDoor.com](http://www.OverheadDoor.com)**

**Technical Support 1-800-275-6187**