515/525

WindStorm™ Commercial Sectional

INSULATED SECTIONAL STEEL DOORS



STRENGTH.
INSULATION.
AESTHETIC APPEAL.

The Genuine. The Original.

OVERHEAD DOOR®

Standard Features at a Glance

Thermal efficiency

U-factor[1]	Model 515 – 0.21 Model 525 – 0.18
R-value[2]	Model 515 – 12.12 Model 525 – 16.22
Thermal break	Yes
Air infiltration	Model 515 – 0.23 cfm/ft² at 15 mph Model 525 – 0.07 cfm/ft² at 15 mph

Construction

Panel thickness	Model 515 – 1 3/8" Model 525 – 1 7/8"
Max height	20'1"
Max width	Model 515 – 20'2" Model 525 – 22'2"
Exterior steel	0.015" (0.35mm)
Exterior surface	Embossed wood grain finish or microgroove textured
Standard springs	10,000 cycles
Sound transmission	Class 20
Wind load	Minimum standard - see chart on back page for details
Limited warranty	10 years against cracking, splitting or deterioration due to rust-through. 10 years delamination.

Options

- Factory glazed windows
- Jamb seal
- High cycle springs (25K, 50K, 100K)
- 3" track

Operation options

- Chain hoist operation
- Motor operation

Safety options

- Broken cable devices
- Sensing edges
- Photo eyes

Special application options

- Special track designs

[1] U-Factors are based on independent testing and verified per ANSI/DASMA 105. For products other than aluminum full-view doors, testing was conducted on specific sizes of solid doors. Actual thermal performance may vary by door size and configuration.

[2] R-value is a measure of thermal efficiency. The higher the R-value the greater the insulating properties of the door. Overhead Door Corporation uses a calculated door section R-value for our insulated doors.

Cover image: *Model 525, Flush panel, White paint finish, Thermolite window*

DASMA Door & Access Systems Manufacturers Association International
THERMAL PERFORMANCE VERIFICATION PROGRAM
www.dasma.com/thermal

Overhead Door™ Brand participates in the DASMA Thermal Performance Verification Program. The program verifies the thermal performance of sectional doors. The lower the U-factor rating, the better the thermal performance.

Symbol indicates verified U-factor rating in accordance with the DASMA Thermal Performance Verification Program.

Panel/Section Selection Guide

Door Section and Lite Selection

Door width	Number of panels	Maximum number of windows
Up to 9'2"	2	2 or 3
9'3" to 12'2"	3	3 or 4
12'3" to 16'2"	4	4 or 5
16'3" to 19'2"	5	6
19'3" to 24'2"	6	7

Door Height and Section Selection

Door height	Number of sections
Up to 8'1"	4 or 5
8'8" to 10'1"	5
10'5" to 12'1"	6
12'-2" to 14'-1"	7
14'-2" to 16'-1"	8
16'2" thru 20'1"	9
18'2" thru 20'1"	10

1 U-Factors are based on independent testing and verified per ANSI/DASMA 105. For products other than aluminum full-view doors, testing was conducted on specific sizes of solid doors. Actual thermal performance may vary by door size and configuration.

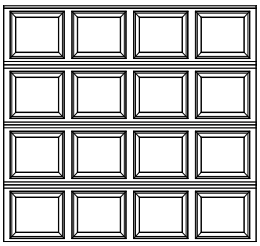
2 R-value is a measure of thermal efficiency. The higher the R-value the greater the insulating properties of the door. Overhead Door Corporation uses a calculated door section R-value for our insulated doors.

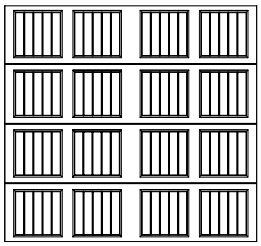
† Springs must be rear mount to achieve minimum headroom listed. Front mount torsion headroom depends on drum size, and varies over the range listed.

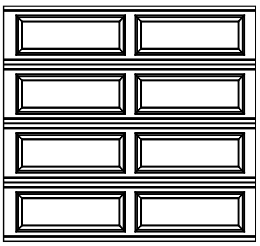
** 8" side-room required, one side, for doors with chain hoist.

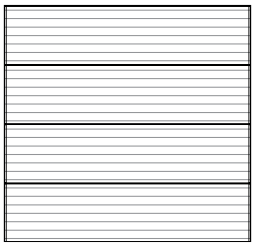
*** Headroom for standard lift depends on drum size, and varies over the range listed.

Panel Options


Short panel


Vertical Short panel

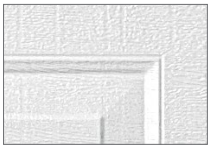

Long panel


Stucco Embossed Pinstripe panel


Flush panel

Color Options

Standard Paint Finishes (Short, Vertical Short, Long and Flush panels)


White


Almond


Sandstone


Brown


Terra Bronze


Black (515 only)

Artican Wood Grain ™ Bi-Directional Finishes

Stucco Embossment (Not available on Flush panel)


Western Cedar


Carbon Oak


Medium Oak

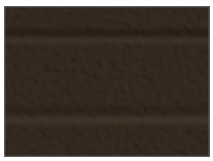
Actual door colors may vary from brochure photos due to fluctuations in the printing process. Always request a color sample from your Overhead Door™ Distributor for accurate color matching.

Stucco Embossed Pinstripe Finishes


White


Almond

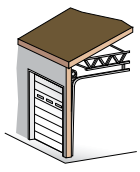

Sandstone

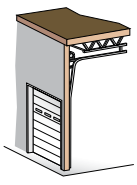

Brown

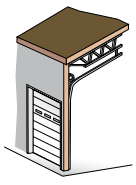

Black

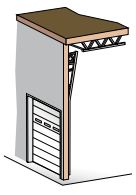

Terra Bronze

Track Selection Guide


Standard Lift


High Lift
(break-away is standard, straight incline is available)


Roof Pitch
(standard or high lift)


Vertical Lift
(break-away is standard, straight incline is available)


Low Headroom
(rear mount torsion)


Low Headroom
(front mount torsion)

Window Options by Door Panel Style

Paint Finishes


Arched Stockton Long


Ashton Long


Cascade Long


Cascade Short


Cathedral Long


Cathedral Short


Clear Long


Clear Short


Double Narrow


Narrow


Prairie Long


Prairie Short


Ruston Long


Sherwood Long


Sherwood Short


Stockbridge Long (3-Lite)


Stockbridge Long (4-Lite)


Stockford Long


Stockton Long (4-Lite)


Stockton Long (6-Lite)


Stockton Long (8-Lite)


Stockton Long (8-Lite Arched)


Stockton Long (12-Lite)


Stockton Short


Waterton Long


Waterton Short


Williamsburg Long


Williamsburg Short


Wyndbridge Long


Arched Stockton Long 4 pc


Williamsburg Long 4 pc

Choice of single or double arch is available for arched top double car windows

Artisan Wood Grain™ Bi-Directional Finishes


Clear Long


Clear Short


Prairie Long


Prairie Short


Stockbridge Long (3-Lite)


Stockbridge Long (4-Lite)


Stockton Long (4-Lite)


Stockton Long (6-Lite)


Stockton Long (8-Lite)

Stockton Short

Stucco Embossed Pinstripe Finishes

Aluminum Full-View

Bubble Lite

Cascade Short

Cathedral Short

Clear Short

Clear Long

Stockton Short

Thermolite

Waterton Short

Williamsburg Short

Not all windows available on all door sizes.
See dealer for details.
See website for additional window options.

Window Availability by Door Panel Style

STANDARD PANEL

Cascade Short
Cathedral Short
Clear Short
Prairie Short
Sherwood Short
Stockton Short
Waterton Short
Williamsburg Short
(4 pc & 8 pc)

VERTICAL SHORT PANEL

*Arched Stockton Long
Ashton Long
Cascade Short & Long
Cathedral Short & Long
Clear Short & Long
Prairie Short & Long
Ruston Long
Sherwood Short & Long
Stockbridge Long (3-Lite)
Stockbridge Long (4-Lite)
Stockford Long
Stockton Long (4, 6, 8 & 12-Lite)
Stockton Long Arch 8-Lite
Stockton Short (4-Lite)
Waterton Short & Long
Williamsburg Long (2 pc & 4 pc)
Wyndbridge Long
(2 pc, 3 pc, 4 pc, 5 pc)

LONG & VERTICAL LONG PANEL

*Arched Stockton Long
Ashton Long
Cascade Long
Cathedral Long
Clear Long
Prairie Long
Ruston Long
Sherwood Long
Stockbridge Long (3-Lite)
Stockbridge Long (4-Lite)
Stockford Long
Stockton Long (4, 6, 8 & 12-Lite)
Stockton Long Arch 8-Lite
Waterton Long
Williamsburg Long (2 pc & 4 pc)
Wyndbridge Long
(2 pc, 3 pc, 4 pc, 5 pc)

FLUSH PANEL & STUCCO EMBOSSED PINSTRIPE PANEL

*Arched Stockton Long
Ashton Long
Cascade Short & Long
Cathedral Short & Long
Clear Short & Long
**Double Narrow
**Narrow
Prairie Short & Long
Ruston Long
Sherwood Short & Long
Stockbridge Long (3-Lite)
Stockbridge Long (4-Lite)
Stockford Long
Stockton Long (4, 6, 8 & 12-Lite)
Stockton Long Arch 8-Lite
Stockton Short (4-Lite)
Waterton Short & Long
*Williamsburg Long (2 pc & 4 pc)
*Williamsburg Short (4 pc & 8 pc)
Wyndbridge Long (2 pc, 3 pc, 4 pc)

* Available in single and double arch.

** Artisan Wood Grain™ Plank Finishes with 1/2" clear insulated or impact resistant glass.

Door Construction



Best Better

Model number	515	525
Polyurethane insulation	Yes	Yes
U-factor[1]	0.21	0.18
R-value[2]	12.12	16.22
Construction	3 Layer (Steel/Insulation/Steel) 1 3/8" thick steel panels	3 Layer (Steel/Insulation/Steel) 1 7/8" thick steel panels
Tongue & groove section	Yes	Yes
Joints to seal out weather	Yes	Yes
Thermal break	Yes	Yes
10 year limited warranty	Yes	Yes

[1] U-Factors are based on independent testing and verified per ANSI/DASMA 105. For products other than aluminum full-view doors, testing was conducted on specific sizes of solid doors. Actual thermal performance may vary by door size and configuration.

General Operating Clearances

Type	Headroom***		Sideroom**		Depth into room	Center line of springs	
	2" track	3" track	2" track	3" track	2" & 3" track	2" track	3" track
Standard Lift Manual 12" R	13"-17"	N/A	4.5"	5.5"	Opening height +18"	Opening height +12"	N/A
Standard Lift Manual 15" R	15"-20"	16"-21"				Opening height +13"	Opening height +14"
Standard Lift Motor Oper. 12" R	15"-20"	N/A			Opening height +66"	Opening height +12"	N/A
Standard Lift Motor Oper. 15" R	15"-20"	18"-24"				Opening height +13"	Opening height +14"
High Lift Manual	High lift +12"				Opening height -lift +30"	Opening height +lift +6.5"	Opening height +lift +7.5"
High Lift Motor Oper.			24" One side				
Vertical Lift Manual	Door height +20"		4.5"	5.5"	18"	Double door height +13"	
Vertical Lift Motor Oper.			24" One side				
Low Headroom Manual†	6"-15"	6"-15"	6"	9"	Opening height +20" to-26"	N/A	
Low Headroom Motor Oper.†	9"-17"	9"-17"			Opening height +66"		

Building Code/Agency Requirements

Exposure B	Door width up to	Wind speeds/Design pressures MPH[1]/MPH[2]/PSF design pressure	Impact resistant	Glass available Standard	Impact
Model 515	9′2″	90 - 200 mph[1] / 115 - 255 mph[2] (+12.80/-14.80) - (+64.00/-72.00)	Yes[3]	SP/LP[3]	SP/LP[3]
	16′2″	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′2″	90 - 170 mph[1] / 115 - 225 mph[2] (+12.40/-13.80) - (+46.00/-52.00)	Yes[3]	SP/LP[3]	SP/LP[3]
	20′2″	90 - 115 mph[1] / 130 - 150 mph[2] (+15.45/-16.79) - (+20.15/-22.50)	No	SP/LP[3]	No
Model 525	9′2″	90 - 200 mph[1] / 115 - 225 mph[2] (+12.80/-14.80) - (+64.00/-72.00)	Yes[3]	SP/LP[3]	No
	16′2″	90 - 170 mph[1]/ 115 - 220 mph[2] (+12.40/-13.80) - (+46.00/-52.00)	Yes[3]	SP/LP[3]	No
	18′2″	90 - 170 mph[1]/ 115 - 225 mph[2] (+12.40/-13.80) - (+46.00/-52.00)	Yes[3]	SP/LP[3]	No
	22′2″	90 - 150 mph[1]/130 - 150 mph[2] (+15.45/-16.79) - (+20.15/-22.50)	No	SP/LP[3]	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 for 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 for 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. SP - Short panel windows LP - Long panel windows



Architect's Corner

A resource for architects, containing comprehensive technical and resource materials to support your project, including drawings and specifications for commercial doors.

overheaddoor.com

The original, innovative choice for unequalled quality and service.

Overhead Door Corporation pioneered the upward-acting door industry, inventing the first upward-acting door in 1921 and the first electric door operator in 1926. Today, we continue to be the industry leader through the strength of our product innovation, superior craftsmanship and outstanding customer support, underscoring a legacy of quality, expertise and integrity. That's why design and construction professionals specify Overhead Door™ products more often than any other brand. Our family of over 400 Overhead Door™ Distributors across the U.S. and Canada not only share our name and logo, but also our commitment to excellence.

OVERHEAD DOOR®

**INDUSTRY EXPERTS,
DELIVERING TOTAL SOLUTIONS**

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