

515/525

THERMACORE[®] WIND LOAD



INSULATED SECTIONAL STEEL DOORS



STRENGTH.
INSULATION.
AESTHETIC APPEAL.



INDUSTRY LEADING
COMMERCIAL & INDUSTRIAL SOLUTIONS



Standard features at a glance

Thermal efficiency

R-value*	Model 515 – 12.12 Model 525 – 16.22
Thermal break	Yes
Air infiltration	Model 515 – 0.23 cfm/ft ² at 15 mph Model 525 – 0.07 cfm/ft ² at 15 mph

Construction

Panel thickness	Model 515 – 13/8" Model 525 – 17/8"
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

Color options

Interior colors	White
Exterior colors	Model 515: White, Almond, Taupe, Brown, Black, Terra Bronze, Golden Oak, Walnut, Mission Oak Model 525: White, Almond, Taupe, Brown, Terra Bronze

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

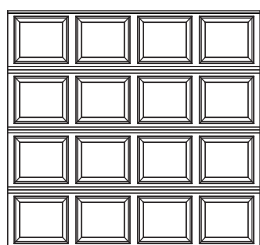
***R-value:** R-value is a measure of thermal efficiency. The higher the R-value the greater the insulating properties of the door. Overhead Door Corporation uses a calculated door section R-value for our insulated doors.

The Cover image: Model 525, Flush panel, White paint finish, Thermolite windows

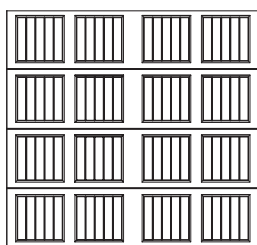
The image above: Model 515, V5 panel, Golden Oak finish

INSULATED SECTIONAL STEEL DOORS

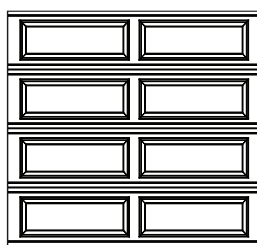
Panel options



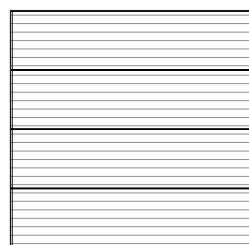
Standard panel



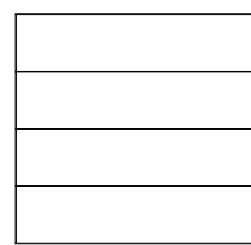
V5 panel



Long panel



Microgroove panel



Flush panel

Color options

Standard paint finishes (Standard, V5, Long and Flush panels)



White



Almond



Taupe



Brown



Terra Bronze



Black (515 only)

Textured wood grain finishes (V5 panel, Model 515 only)



Golden Oak



Walnut



Mission 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.

Microgroove textured finishes (Microgroove panel only)



White



Almond



Taupe

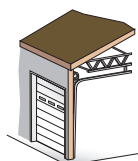


Brown



Black

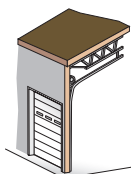
Track selection guide



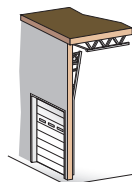
Standard Lift



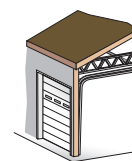
High Lift
(break-away is standard, straight incline is available)



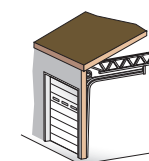
Roof Pitch
(standard or high lift)



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



Low Headroom
(rear mount torsion)



Low Headroom
(front mount torsion)



Window options

Standard panel



Clear 1



Cathedral 1



Cascade 1



Sherwood 1



Stockton 1



Waterton 1



Williamsburg 1

V5 panel



Clear 1



Clear 3



Cathedral 1



Cascade 1



Cascade 3



Stockton 1



Stockton 3



Stockbridge 3



Waterton 1



Waterton 3

Long panel



Clear 2



Cascade 2



Cathedral 2



Stockbridge 2



Sherwood 2



Stockton 2



Arched Stockton



Waterton 2



Williamsburg 2

Microgroove panel



Clear 1



Clear 3



Cathedral 1



Cascade 1



Cascade 3



Stockton 1



Stockton 3



Waterton 1



Waterton 3



Williamsburg 1



Thermolite



Door construction



Best

Better

Model number	515	525
Polyurethane insulation	Yes	Yes
Insulation R-value*	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

General operating clearances

Operation options

- Chain hoist operation
- Motor operation

Safety options

- Broken cable devices
- Sensing edges
- Photo eyes

Special application options

- Special track designs

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"	NA	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"	NA			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"		24" One side		Opening height -lift +30"	Opening height +lift +6.5"	Opening height +lift +7.5"
High Lift Motor Oper.							
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"					

Panel/section selection guide

Door Section and Lite Selection			Door Height and Section Selection	
Door width	Number of panels	Maximum number of windows	Door height	Number of sections
Up to 9'2"	2	2 or 3	Up to 8'1"	4 or 5
9'3" to 12'2"	3	3 or 4	8'8" to 10'1"	5
12'3" to 16'2"	4	4 or 5	10'5" to 12'1"	6
16'3" to 19'2"	5	6	12'-2" to 14'-1"	7
19'3" to 24'2"	6	7	14'-2" to 16'-1"	8
			16'2" thru 20'1"	9
			18'2" thru 20'1"	10

* 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.

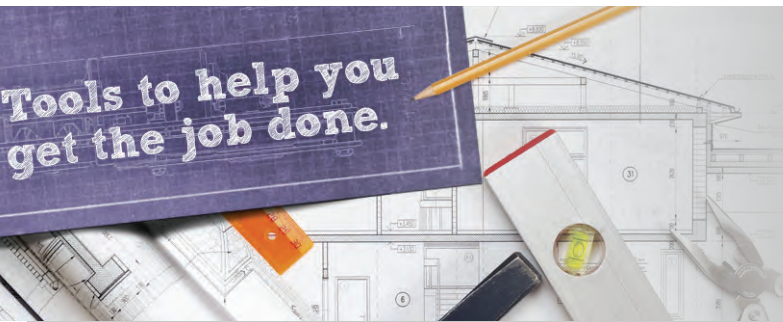
Building code/agency requirements

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.



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