

THE TURNKEY SOURCE FOR COMMERCIAL AND INDUSTRIAL SOLUTIONS AND SERVICE

Selection of Overhead Door products automatically includes the unequaled expertise and experience of Overhead Door Distributors. Nationwide coverage by our over 400 distributors is unique in our industry – providing a single source for design and application consulting, installation, service and ongoing maintenance. Turnkey services to maximize the lasting value of your product choice. Your Overhead Door Distributor is also your only source for a full line of commercial and industrial grille and operator systems specifically designed for integrated applications.



For over four generations, our distributors have been committed to providing commercial and industrial grille solutions. Combined with Overhead Door product design and manufacturing superiority, our distributors are a proud part of the Overhead Door family, sharing our name, our Red Ribbon logo and our commitment to industry leading innovation and excellence.

GENERAL FEATURES AND BENEFITS

R-Values up to 17.50 (3.09 W/Msq) and air infiltration Performance up to .08 cfm/ft² at 25 MPH (1.46 m³/hr/m²)

- Continuous foamed-in-place panel construction provides one of the highest R-values in the industry year in, year out
- Dual PVC thermal break and joint seal between internal and external skins minimize air infiltration and provide the highest door system thermal efficiency in the industry
- Specially designed track and heavy-duty fixtures ensure a tight and reliable fit

Lightweight, strong and durable panel construction

- Continuous foamed-in-place panel construction provides superior thermal efficiency, and exceptional strength-toweight ratio and proven durability
- Roll-formed, hot-dipped galvanized steel interior and exterior panels
- Two coats of baked-on polyester paint provide a durable finish

Meets stringent wind load requirements (optional)

 Exceptional panel strength and superior track design withstands harsh wind conditions.

Environmentally friendly

 Specially formulated polyurethane foam CFC FREE insulation ensures no ozone-damaging CFCs are used in the manufacturing process or in the panels

Easy field repairability

 Unique design allows on-site door customization for quick and precise installation, replacement or repairs

A broad line to fit every application

- Standard door widths up to 40'2" (12243 mm) and heights up to 32'1" (9779 mm)
- Doors for extra-heavy-duty, heavy-duty, medium-duty and light-duty applications

Built to last

- 10-year* limited warranty against panel delamination of foam and steel skins
- 1-year limited warranty on door
- 3-year/20,000 cycle limited warranty on door and operator system

High-usage components for special applications promotes long life and low maintenance

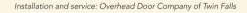
- Heavy-duty, precision ground headplate bearings for enhanced counterbalance performance
- Oil-tempered, heavy-duty helical wound, torsion springs, available in 25,000, 50,000, 75,000 or 100,000 cycles for extra long life
- Solid-steel counterbalance shaft reduces fatigue and deflection
- · Double end stiles and end hinges lessen loads on door-section
- Heavy-duty 3" (76 mm) hot-dipped galvanized steel track and 10 ball-bearing, long-stem rollers
- Additional center hinges reduce overall door section hinge loads
- Bottom sensing edge stops/reverses door upon contact with an obstruction



Thermacore® is the premier insulated steel sectional door available today. It is an ideal choice for applications that demand the highest levels of thermal efficiency, air infiltration and wind load resistance. Manufactured using a unique, computer-controlled process,

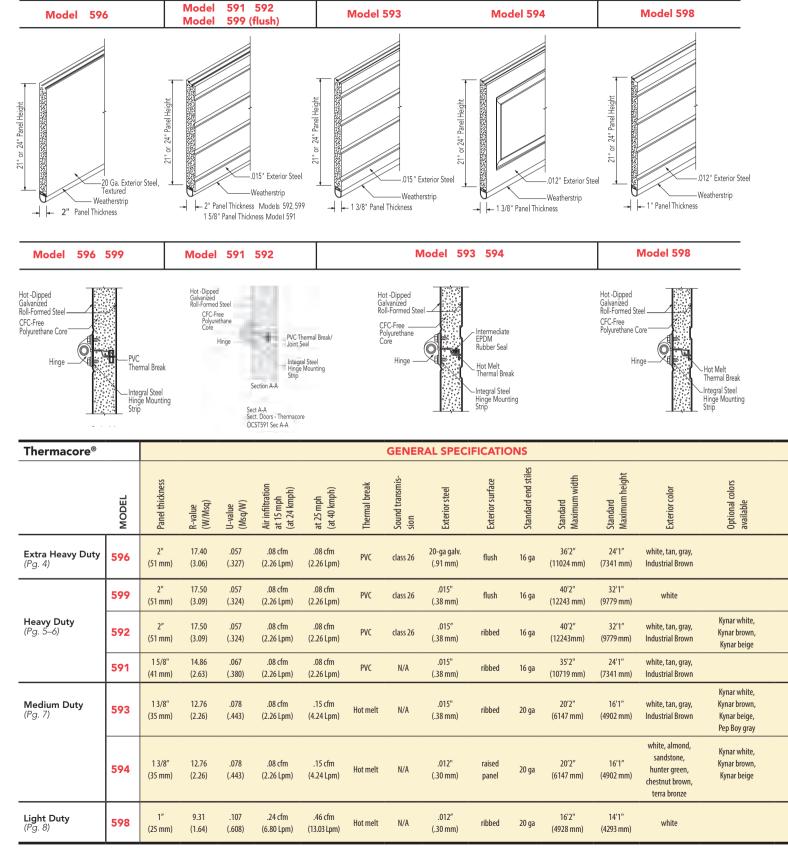
Thermacore® steel-polyurethane-steel sandwich panels are lightweight, incredibly strong and exceptionally energy efficient—even under the most severe climatic conditions. Suitable for a wide range of applications, Thermacore® doors feature a host of industry-leading design innovations

— including dual PVC thermal break and joint seal, a CFC-free polyurethane core, and a special internal construction for easy field serviceability.





Thermacore® Door Selection Chart





Model 592 591 593 598

Door Profile

Glazing









*Not available on 598

Model 594

Model 596 599

Door Profile



Glazing





Contact your local Overhead Door Distributor or refer to the Overhead Door Architectural Design Manual for specific glazing detail

				Į.	VAILABLE	OPTIONS					
Electric operator	Chain hoist	Thermal glazing	Four-section pass door	High-usage components	Posi-tension drums	Safety bottom fixture	Bottom sensing edge	EPDM rubber header seal	Aluminum full view sash section	Tumbler keyed lock	Exhaust ports
•	•	•	•	•	•	•	•	•	•	•	•
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Extra-Heavy-Duty Thermacore® Doors

MODEL 596



Installation and service: Overhead Door Company of Glens Falls

Standard Features At a Glance

Panel thickness 2" (51 mm)

R-value 17.40 (3.06 W/Msq) U-value .057 (.327 Msg/W)

Air infiltration:

at 15 mph (24 kmph) .08 cfm/ft² (1.46 m³/hr/m²) at 25 mph (40 kmph) .08 cfm/ft² (1.46 m³/hr/m²)

Thermal break PVC

Exterior steel 20-gauge galvanized
Exterior surface Flush, textured
Standard Springs 10,000 cycle
Sound transmission rating Class 26

Sound transmission rating Class 26
Std. maximum width 36'2" (11024 mm)
Std. maximum height 24'1" (7341 mm)
Exterior color White, gray, tan,
Industrial Brown

Interior color White

Limited warranty 10-year delamination

1-year door

3-year/20,000 cycle door and operator system

Options

- Thermal glazing
- Aluminum sash section available to 24'2" (7366 mm) wide
- Four-section pass door
- Knock & Lock® Breakaway Door System
- · High-usage components*
- · Wind load options
- Electric operator
- · Chain hoist
- Posi-Tension® drums
- · Safety bottom fixtures
- · Bottom-sensing edge
- · Flexible jamb, header seal
- Exhaust ports
- * Refer to General Features and Benefits on inside front cover

The Thermacore® Model 596 offers superior thermal efficiency for heavy-duty applications. The 596 is constructed of 20-gauge galvanized steel with a flush, textured finish.

The 596 doors also carry a Class 26 sound transmission rating for applications where sound suppression is desirable.

Colors available on Model 596









White

Industrial Brown

Gray

Tan

For drawings and specifications please visit our website, www.OverheadDoor.com/architects corner.

Installation and service: Overhead Door Company of Glens Falls





MODELS 592 599



Installation and service: Overhead Door Company of Southwestern Idaho

Standard Features At a Glance

Panel thickness 2" (51 mm)

R-value 17.50 (3.09 W/Msq) U-value .057 (.324 Msq/W)

Air infiltration:

at 15 mph (24 kmph) .08 cfm/ft² (1.46 m³/hr/m²) at 25 mph (40 kmph) .08 cfm/ft² (1.46 m³/hr/m²)

Thermal break PVC

Exterior steel .015" (.38 mm) galv. Exterior surface 592–Ribbed, textured

599 –Flush, textured

Standard springs 10,000 cycle Std. maximum width 40'2" (12243 mm) Std. maximum height 32'1" (9779 mm)

Exterior color 592 - White, tan, gray, Industrial Brown, plus optional Kynar

colors: white, brown and beige

599 - White only

Interior color White

Limited warranty 10-year delamination

1-year door

3-year/20,000 cycle door and operator system

Options

- · Thermal glazing
- Aluminum sash section available to 24'2" (7366 mm) wide
- Four-section pass door
- Knock & Lock® Breakaway Door System
- · High-usage components*
- · Wind load options
- Electric operator
- Chain hoist
- · Posi-Tension® drums
- Safety bottom fixtures
- Bottom-sensing edge
- · Flexible jamb, header seal
- Exhaust ports
- * Refer to General Features and Benefits on inside front cover

With a 17.50 R-value (3.09 W/Msq) and .057 U-value (.324 Msq/W), the Thermacore® Models 592/599 are the energy-efficient door of choice for commercial use. The 592/599 also incorporate a thermal break and joint seal to prevent thermal transfer between exterior and interior door panel skins. The door is designed for the most demanding situations, including high- cycle, wind load and thermal applications.

Colors available on Model 592









White

Industrial Brown

Gray

Tan

Color available on Model 599



White

For drawings and specifications please visit our website, www. OverheadDoor.com/architects corner.

Installation and service: Overhead Door Company of Albany



Heavy-Duty Thermacore® Doors

MODEL 591



Installation and service: Overhead Door Company of Twin Falls

Standard Features At a Glance

Panel thickness 1 5/8" (41 mm)
R-value 14.86 (2.63 W/Msq)
U-value .067 (.380 Msq/W)

Air infiltration:

at 15 mph (24 kmph) $.08 \text{ cfm/ft}^2$ (1.46 m³/hr/m²) at 25 mph (40 kmph) $.08 \text{ cfm/ft}^2$ (1.46 m³/hr/m²)

Thermal break PVC

Exterior steel .015" (.38 mm) galv.
Exterior surface Ribbed, textured
Standard Springs 10,000 cycle
Std. maximum width 35'2" (10719 mm)
Std. maximum height 24'1" (7341 mm)
Exterior color White, tan, gray,
Industrial Brown

Interior color White

Limited warranty 10-year delamination

1-year door

3-year/20,000 cycle door and operator system

Options

- · Thermal glazing
- Aluminum sash section available to 24'2" (7366 mm) wide
- · Four-section pass door
- · Knock & Lock® Breakaway Door System
- · High-usage components*
- · Wind load options
- Electric operator
- · Chain hoist
- · Posi-Tension® drums
- · Safety bottom fixtures
- Bottom-sensing edge
- · Flexible jamb, header seal
- Exhaust ports
- * Refer to General Features and Benefits on inside front cover

The Thermacore® 591 is the best-selling door in the Thermacore® line, and offers superior thermal efficiency to fit a broad range of applications. The Model 591 exterior skin is constructed of galvanized steel with a ribbed, textured finish. It is available with a white interior finish and a selection of colors for exterior, including white, Industrial Brown, gray and tan.

Colors available on Model 591









White

Industrial Brown

Gray

Tan

For drawings and specifications please visit our website, www.OverheadDoor.com/architects corner.

Installation and service: Overhead Door Company of Twin Falls





MODELS 593 594



Installation and service: Overhead Door Company of Twin Falls

Standard Features At a Glance

Panel thickness 1 3/8" (35 mm)

R-value 12.76 (2.26 W/Msq)

U-value .078 (.443 Msq/W)

Air infiltration:

at 15 mph (24 kmph) .08 cfm/ft² (1.46 m³/hr/m²) at 25 mph (40 kmph) .15 cfm/ft² (2.7 m³/hr/m²)

Thermal break Hot melt

Exterior steel .015" (.38 mm) galv. (593)

.012" (.3 mm) galv. (594) 593–Ribbed, textured

Exterior surface 593–Ribbed, textured

594–Raised-panel, textured

Standard Springs 10,000 cycle Std. maximum width 20'2" (6147 mm) Std. maximum height 16'1" (4902 mm)

Exterior color 593: white, gray, tan, Industrial

Brown, plus optional Kynar colors: white, brown, beige

and Pep Boy gray 594: white, chestnut brown,

almond, sandstone, hunter green, terra bronze, plus optional Kynar colors: white,

brown and beige

Interior color White

Limited warranty 10-year delamination

1-year door

3-year/20,000 cycle door and operator system

Options

- · Thermal glazing
- · Aluminum sash section available
- · High-usage components*
- · Wind load options
- Electric operator
- · Chain hoist
- · Posi-Tension® drums
- Safety bottom fixtures
- Bottom-sensing edge
- · Flexible jamb, header seal
- · Exhaust ports

* Refer to General Features and Benefits on inside front cover The Thermacore® Models 593 and 594 offer excellent thermal efficiency for medium-duty applications. The 593 features a ribbed, textured surface.

The 594 features a raised-panel, woodgrain textured surface for a more decorative appearance.

Colors available on Model 593









White

Industrial Brown

Gray

Tan

Colors available on Model 594











out Terra

White A

Almond Sandstone

Hunter Green

Chestnut Terra Brown Bronze

For drawings and specifications please visit our website, www.OverheadDoor.com/architects corner.

Installation and service: Overhead Door Company of Twin Falls



Light-Duty Thermacore® Doors

MODEL 598



Installation and service: Overhead Door Company of Albany

Standard Features At a Glance

 $\begin{array}{ll} \mbox{Panel thickness} & 1\mbox{" (25.4 mm)} \\ \mbox{R-value} & 9.31 \mbox{ (1.64 W/Msq)} \\ \mbox{U-value} & .107 \mbox{ (.608Msq/W)} \end{array}$

Thermal break Hot melt

Exterior steel .012" (.3 mm) galv.
Exterior surface Ribbed, textured
Standard Springs 10,000 cycle
Std. maximum width 16'2" (4928 mm)
Std. maximum height 14'1" (4293 mm)

Exterior color White Interior color White

Limited warranty 10-year delamination

1-year door

3-year/20,000 cycle door and operator system

Options

- Thermal glazing
- ${\boldsymbol{\cdot}}$ High cycle springs
- · Wind load options
- · Electric operator
- · Chain hoist
- · Posi-Tension® drums
- · Safety bottom fixture
- · Flexible jamb, header seal

The Thermacore® Model 598 is a quality thermal door that provides a higher level of protection against heat and cold conductivity than standard insulated doors. The 598 door represents the economical choice for lighter-duty applications.

Color available on Model 598



White

For drawings and specifications please visit our website, www.OverheadDoor.com/architects corner.

Installation and service: Overhead Door Company of Southwestern Idaho

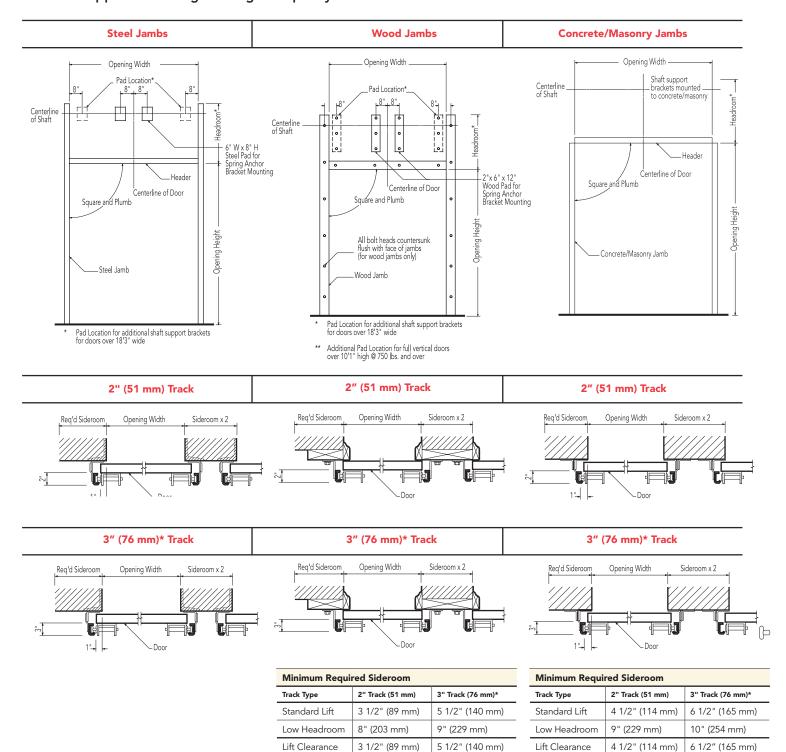






For drawings and specifications please visit our website, www.OverheadDoor.com/architects corner

Framing and pad details for common installation of Thermacore® doors in steel, wood, concrete and masonry jambs are provided here. If you require additional information or have special project requirements, refer to the Overhead Door Architectural Design Manual, or consult with the Overhead Door Applications Engineering Group or your local Overhead Door Distributor.



Full Vertical

3 1/2" (89 mm)

5 1/2" (140 mm)

Full Vertical

4 1/2" (114 mm)

5 1/2" (140 mm)

^{* 3&}quot; (76 mm) track not available with Model 598.

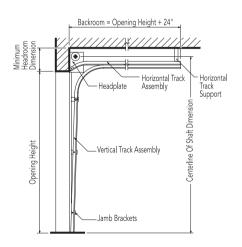


Any of the following track configurations can be selected for all Thermacore $^{@}$ Models. O.H.=Opening Height L.C.=Lift Clearance D.H.=Door Height

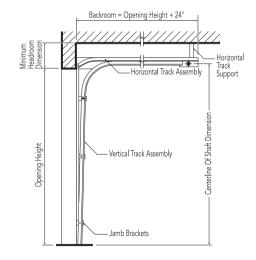
Lift Clearance Track **Standard Lift Track Full Vertical Track** Standard Backroom = Opening Height - Lift Clearance + 26 Backroom = Opening Height + 18" Minimum Headroom Dimensior Headroom = Opening Height $+ 10^{\circ}$ Horizontal Track Support Horizontal Track Assembly Horizontal Track Support .Headplate Horizontal Track Assembly Headplate Headplate Breakaway Track Assembly Centerline Of Shaft Dimension Assembly Vertical Track Assembly Opening Height Vertical Track Vertical Track Assembly Jamb Brackets Jamb Brackets 2" (51 mm) Track [15" (381 mm) Radius] 2" (51 mm) Track [15" (381 mm) Radius] Centerline of Shaft Minimum Headroom Centerline of Shaft Minimum Headroom Thru 12'0" (3658 mm) O.H. + 11 5/8" (295 mm) 14 1/4" (362 mm) Thru 12'0" (3658 mm) O.H. + L.C. + 5 5/8" (143 mm) L.C. + 8 3/4" (222 mm) Thru 16'0" (4877 mm) O.H. + 12 5/8" (321 mm) 16" (406 mm) Thru 16'0" (4877 mm) O.H. + L.C. + 5 5/8" (143 mm) L.C. + 11 1/4" (286 mm) 3" (76 mm) Track [15" (381 mm) Radius] 3" (76 mm) Track [15" (381 mm) Radius] Thru 18'0" (5486 mm) O.H. + 14 5/8" (372 mm) 18" (457 mm) Thru 22'0" (6706 mm) O.H. + LC. + 65/8" (168 mm) LC.+ 111/2" (292 mm) Thru 32'0" (9754 mm) O.H. + 16 7/8" (429 mm) 21 1/2" (546 mm) Thru 32'0" (9754 mm) O.H. + L.C. + 6 5/8" (168 mm) L.C. + 12 1/4" (311 mm)

Low Headroom Track Springs to Front

Low Headroom Track Springs to Rear



2" (51 mm) Track [15" (381 mm) Radius]							
Door Height	Centerline of Shaft	Minimum Headroom					
Thru 12'0" (3658 mm)	D.H. + 8" (203 mm)	11 3/4" (299 mm)					
Thru 16'0" (4877 mm)	D.H. + 8" (203 mm)	12 1/2" (318 mm)					
3" (76 mm) Track [15" (381 mm) Radius]							
Thru 12'0" (3658 mm)	D.H. + 9" (229 mm)	13" (330 mm)					
Thru 32'0" (5486 mm)	D.H. + 9" (229 mm)	13 3/4" (349 mm)					



Operator Control Options

- Push-button, key or combination stations; surface or flush-mounted for interior and/or exterior locations
- Vehicle detectors, key card reader, photocell and door timer controls
- · Treadle or pull switch stations
- Telephone entry and coded keyboard stations
- · Universal programmable door timer
- · Commercial light package
- · Radio control systems (24 VAC or 120 VAC)
- · Explosion and dust ignition-proof systems

Electric Operator Selection Guide

	Horsepower/ Newtons	Max. height of door	Max. weight of door	SuperBelt TM /Polybelt	Worm gear	Adjustable dutch	Totally enclosed	Continous duty	Explosion proof	Mounting type
RHX®	1/2 HP, 3/4 HP 1 HP, 3 HP	24' (7315 mm)	3996 lbs (1676 kg)		•	•		•	•	T, S, C
RSX®	1/2 HP, 3/4 HP 1 HP	24' (7315 mm)	1620 (735 kg)	•		•	•	•		T, S, C
RMX®	1/2 HP	14' (4267 mm)	620 (281 kg)							T, S

Mounting Options:

T=Trolle

S=Side mount

C= Center mount

Safety Recommendations

Overhead Door Corporation strongly recommends the use of a primary safety device as defined by UL325 2010. A primary safety device can be approved monitored photo-eyes or an approved monitored sensing edge. If a primary safety device is not installed, a constant contact control switch must be used to close the door. Contact Overhead Door for more information.

Overhead Door Corporation offers the broadest line of electric operators to suit new construction and retrofit applications, as well as unusual or special requirements.

Manufactured by Overhead Door Corporation to meet the exacting performance requirements of Overhead Door's upward-acting doors, our ribbon branded operators afford precise control of door action for years of trouble-free operation.

In order to improve safety and enhance door and motor life, industry quality assurance guidelines recommend the choice of a single manufacturer for both door and operator applications. Overhead Door Corporation is the only national manufacturer of a full line of commercial and industrial doors and operators specifically designed for integral applications.

Operator Models

Model RMX®

Model RMX® is an advanced medium-duty operator. It is designed for quicker installation and hassle-free operation and operates doors up to 14' (4267 mm) in height and 620 pounds (281 kg). It is available as a trolley-type or side-mounted unit.



Model RSX[®] is a standard duty commercial operator designed to operate doors up to 24' (7315 mm) in height and 1,620 pounds (735 kg). It offers unique features like LimitLock[®], SuperBelt[™] & 16 digit menu setup.

Model RHX®

Model RHX $^{\circ}$ is a heavy duty commercial operator designed to operate doors up to 24' (7315 mm) in height and 3,696 pounds (1676 kg).

Available as either a trolley, sidemount or centermount.









Mounting Details

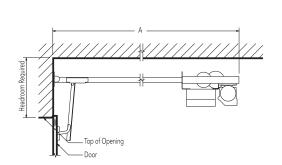
Trolley-type (Drawbar) operators feature a power unit mounted between, above and to the rear of the horizontal tracks. The drawbar drive provides positive control of the door at all times, making this operator the preferred choice whenever possible. Maximum door width is 20' per drawbar. Door width over 20' requires dual drawbar installation. Available on Models RMX*, RSX* and RHX*.

Side-mounted (Jackshaft) RMX®, RSX®, and RHX® operators feature a power unit mounted on the inside front wall and connected to the crosshead shaft, with an adjustable coupling or drive chain and sprockets.

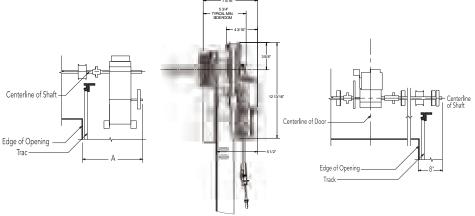
Center-mounted (Jackshaft) operators feature a power unit on the front wall above the door opening. No additional backroom is required. Available on models RSX® and RMX®.

Center Mount Type (Jackshaft)

Trolley-type (Drawbar) RMX®, RSX®,RHX®



Side Mount Type (Jackshaft) RMX®, RSX®



RMX®

Minimum Headroom Requirements				
RMX Track Requirements +4 1/2" (114 mm				
RSX	Track Requirements +5" (127 mm)			
RHX	Track Requirements +5" (127 mm)			

Depth Requirements - "A" Dimension (Backroom)				
RMX Door Height +3' 9" (1143 mm)				
RSX	Door Height +4' 1" (1244 mm)			
RHX	Door Height +5′ 10″ (1524 mm)			

"A" Dimension - Minimum (Sideroom)					
	2" Track (51 mm) 3" Track (76 mm)*				
RMX	18 1/2" (470 mm)	19 1/2" (495 mm)			
RSX	21" (533 mm)	22" (559 mm)			
RHX	21" (533 mm)	22" (559 mm)			

Minimum Headroom Requirements				
RSX	Track Requirements +14" (356 mm)			
RHX	Track Requirements +23 5/8" (600 mm)			

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 Corporation products more often than any other brand.

The Overhead Door Red Ribbon is a mark of quality that also reflects the pride we take in the people who support our products. Our family of over 400 Overhead Door Distributors across the country not only share our name and logo, but also our commitment to excellence. Your Overhead Door Distributor will work with you in a consultative role to ensure that product selections achieve your design and application requirements — in addition to offering expert installation, professional field service and ongoing maintenance. From project design and manufacturing to installation and service, the Overhead Door Red Ribbon is your guarantee of genuine quality and turnkey service excellence.

Together with our distributors, we offer comprehensive technical information and resource materials to support your project, including:

- Architectural Design Manual a comprehensive guide to selecting, specifying and detailing all commercial and industrial Overhead Door products can be found at www.OverheadDoor.com/ADM/base.html
- Operation & Maintenance Manual detailed product information, customized for your project, to ensure reliable, long-life door system operation
- · Custom application and technical assistance through ordering plants' customer service and technical services respectively
- · Visit our Architect's Corner at www.OverheadDoor.com



Advanced Rolling Steel Door RapidSlat®



Thermacore® Sectional Doors



Rolling & Side Folding Security Grilles & Closures



Rolling Service Doors



Commercial Operators

Today, Overhead Door Corporation – along with our Horton Automatics division, for automated pedestrian entrances – is recognized as the leading, single-source manufacturer of integrated door and operator systems for commercial, industrial and residential applications. With multiple manufacturing locations throughout the United States, a state-of-the-art TREQ (Testing, Reliability, Engineering, and Quality) Center for design and engineering, and a national network of authorized Overhead Door Distributors, our capabilities are leading-edge and our field service and technical support second to none. Built best and backed best, Overhead Door is the industry's leading choice for quality that shows and lasts.

To talk with the Overhead Door Distributor nearest you, call 1-800-929-DOOR.

Overhead Door Corporation

www.OverheadDoor.com

2501 S. State Hwy. 121 Bus., Suite 200 Lewisville, Texas 75067 1-800-929-DOOR



INDUSTRY LEADING
COMMERCIAL & INDUSTRIAL SOLUTIONS

The Overhead Door Corporation family of quality commercial and industrial products includes:







A part of Sanwa Holdings Corporation