

RAPTOR™ AERIALS



RAPTOR™  
AERIALS

AUTOMATIC LADDERS  
[WWW.ROSENBAUERAMERICA.COM](http://WWW.ROSENBAUERAMERICA.COM)



# ROSENBAUER RAPTOR™ AERIAL

## 105' TACTICAL AERIAL LADDER



### FIRE SUPPRESSION

The Raptor™ is available with a 1500 GPM fire pump, a water tank up to 300 gallons, and several foam system options to meet your fire suppression needs.



### CAB & BODY COLLISION PROTECTION

Protect your investment with the Raptor™'s cab and body collision protection. The Raptor™'s advanced CAN-Bus electronic system prevents the ladder from colliding with any part of the cab or body.



8,800  
POUNDS

## ADVANCED TECHNICAL RESCUES

The high stability of the Raptor™'s ladder assembly make it possible to lift, rotate, and lower payloads of up to 8,800 pounds. Additionally, the ladder offers bridging capabilities for mass evacuations.



## MAKING RESCUES EASIER

The Raptor™'s impressive 102' reach and positioning feature make it the perfect device for water and ice rescue, reaching nearly 20' below grade. The Raptor™ offers a wide sweeping elevation range of -15° to 75°. Thanks to variable jacking capabilities, the Raptor™ can be purposely positioned further off-level and operate at an unbelievable -22° for sub-ground-level rescues.



## MANEUVERABILITY

With wheelbases as short as 222", the Raptor™ is the most maneuverable, single-axle 102' ladder on the market. The wheelbase, combined with a tight cramp angle of no less than 46°, makes navigating through tight spaces a breeze.



# ROSENBAUER RAPTOR™ AERIAL

## 105' TACTICAL AERIAL LADDER



### THE PERFECT TRUCK FOR IMPERFECT CONDITIONS

Conditions aren't always ideal, which is why the Raptor™ uses two different systems to enhance set-up and cage placement. The Raptor™'s stabilizer system is the fastest in the industry, fully deploying and locking all four out-and-down stabilizers in 20 seconds.

Advanced CAN-Bus electronics monitor ground pressure sensors in each jack precisely and use the data collected by the sensors to calculate stability.

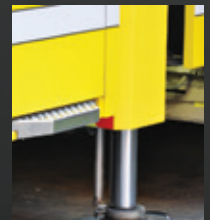
The system uses this data and combines it with ladder torque data as an additional precaution to ensure stability. The system uses this data to allow safe aerial operations even when the stabilizers cannot be fully deployed.



### AUTOMATIC TERRAIN

While many trucks struggle to level-out in hilly terrains, the Raptor™ uses an automatic terrain compensation system and auto-levels the turntable hydraulically. The automatic terrain compensation system keeps the ladder assembly in the horizontal position up to a angle of 8.5° in relation to the vehicle.

The terrain compensation system activates automatically when the aerial is deployed. With these optimum level conditions, ladder climbing remains safe and easy.



### WATERWAY

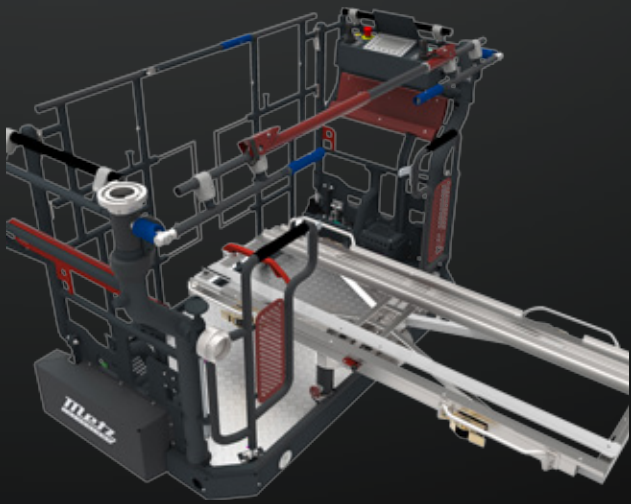
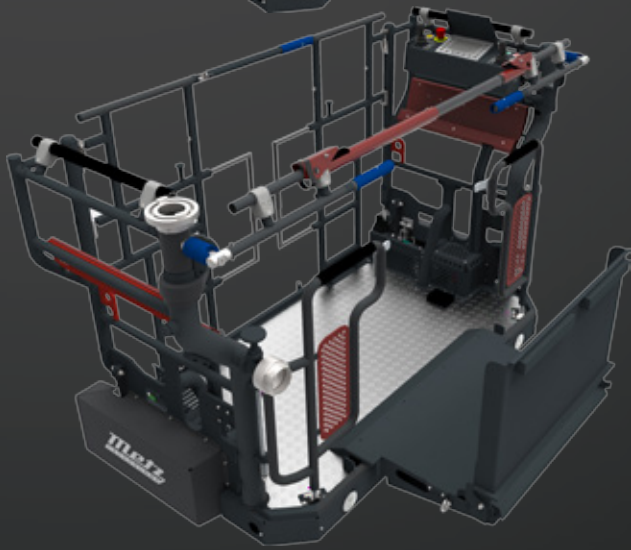
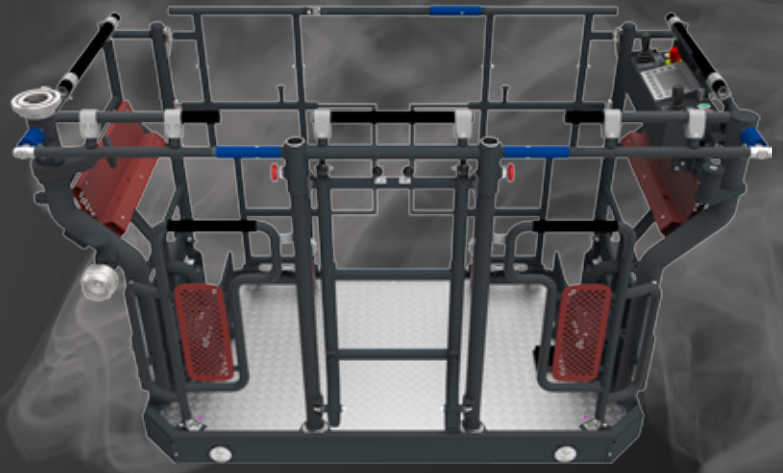
The Raptor™ has several waterway options, including telescopic and non-telescopic waterways with flows of up to 1000 GPM. Additionally, a 2.5" aerial tip discharge is available allowing for a hand line to be extended for interior firefighting operations.



### FOLDING RESCUE CAGE

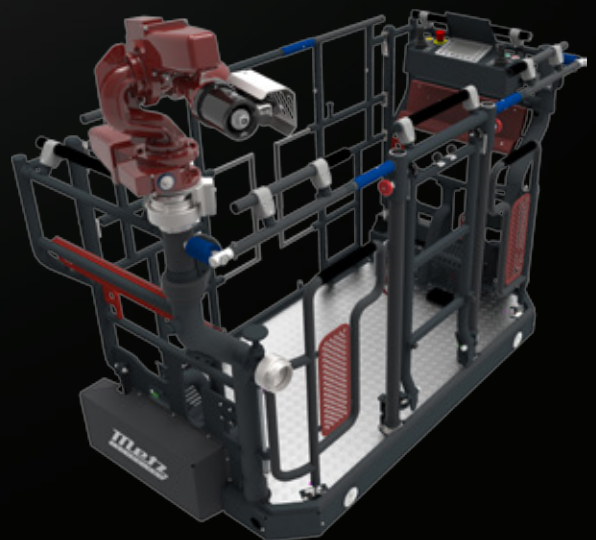
For those times when overall height is a factor such as low bridges or low overhead doors in the fire station, the Raptor™ comes standard with a folding rescue cage to reduce the overall travel height.





## RAPTOR RESCUE CAGE

- ▶ 1000lbs live-load
- ▶ Removable front column
- ▶ Pre-piped waterway
- ▶ Facilitates rescue of injured persons
- ▶ Low position of the patient
- ▶ Improved medical treatment
- ▶ Rescue of severely injured persons possible
- ▶ Easier rescue from set-back dormers or roof windows
- ▶ Live-load increased to 661 lbs
- ▶ Facilitates rescue of disabled persons
- ▶ Option to install wheelchair mounting
- ▶ Integrated belts for secure attachment
- ▶ Folding ramp for safe loading and unloading
- ▶ Monitor RM15
  - ▶ Removable
  - ▶ 500 GPM
  - ▶ Operated via ladder controls



# ROSENBAUER RAPTOR™ AERIAL

## 105' TACTICAL AERIAL LADDER

### RAPTOR™ OPERATOR CONTROLS

The displays on the Raptor™ control panels are clearly laid out. Even in the stress of real-world operations, the interface is intuitive and easy to use. This has been proven over the past decade by hundreds of fire departments.

- The position of the display screen, joystick, and movement directions is identical on the main control panel and the cage control panel
- Large, glove-friendly control buttons
- Ergonomic design of display and controls
- Information structured simply and clearly



#### SAFETY LEVEL

Aerial override, cage control release, emergency shutdown

#### INFO/DISPLAY LEVEL

All of the relevant information for operating the aerial

#### FUNCTION LEVEL

All of the functions that are needed to control the aerial

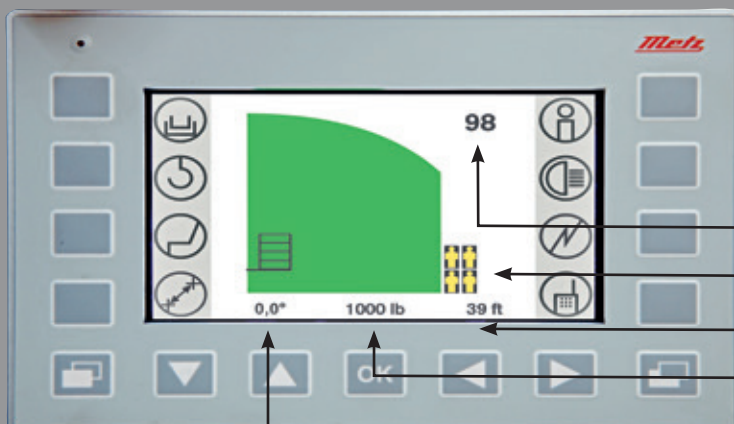
### THE MAIN CONTROL PANEL

- 1 Spacious seat for comfortable extended operations
- 2 Automatic tilting seat that tilts in relation to aerial elevation
- 3 Adjustable back rest and head rest
- 4 Intercom system with integrated gooseneck microphone and two speakers
- 5 Unobstructed view of the rescue cage and ladder during aerial operations



### OPTIONAL FEATURES

- 6 Transparent sliding rain roof
- 7 Heated seat



### RAPTOR™ CAN-BUS SYSTEM

The 3-D load measurements from the ladder, along with ground pressure measurements and jack width, are combined and analyzed via the CAN-Bus system to ensure maximum outreach and safety at all times.

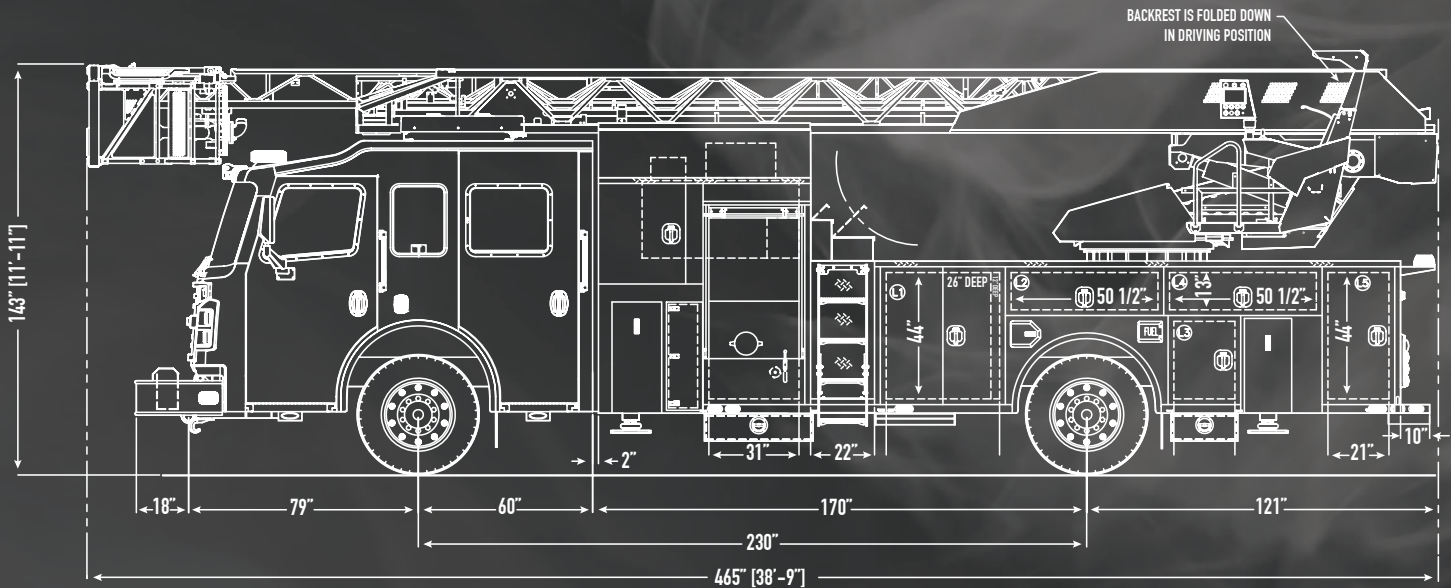
Remaining ladder length available

Load limit

Remaining horizontal outreach

Remaining payload capacity

Elevation angle



## RAPTOR™ PERFORMANCE

<b>LADDER REACH</b>	Up to 102' Vertical Reach Up to 87' Side Reach
<b>PAYLOAD CAPACITY</b>	Up to 1000 Pounds Dry Up to 500 Pounds Wet
<b>WATERWAY</b>	Up to 1000 GPM
<b>WIND RATING</b>	Up to 50 MPH
<b>ICE RATING</b>	Variable – Load Continuously Monitored by System
<b>LIFTING SYSTEM</b>	8,800 Pounds from Base Section
<b>BELOW GRADE OPERATIONS</b>	22° Below Grade
<b>AERIAL CONTROLS</b>	Soft Touch Controls
<b>STABILIZER SPREAD</b>	14' 9"
<b>STABILIZER</b>	H-Style Safe Operation over Short-Jacked Side Permitted with Continuous 360° Rotation
<b>APPARATUS BODY</b>	Extruded Aluminum
<b>WATER TANK</b>	Up to 300 Gallons on Single-Axle
<b>FIRE PUMP</b>	Up to 1500 GPM



## SERVICE4FIRE.COM

### ONLINE SERVICE PORTAL

At Rosenbauer, we understand there is no time for downtime when it comes to your fire apparatus. That's why we've introduced Service4fire.com. Rosenbauer's 24/7 online vehicle monitoring system. Rescue operations are extremely demanding and vehicle performance is essential. Service4fire.com gives you peace-of-mind knowing that your apparatus is performing at its peak levels.

#### SERVICE4FIRE.COM provides you with:

- ◆ Increased safety thanks to earlier error warnings;
- ◆ Real-time alerts if an issue arises;
- ◆ Detailed diagnosis of issues for rapid remediation;
- ◆ Increased efficiency thanks to faster repairs;
- ◆ Lower maintenance costs thanks to improved maintenance procedure.



#### ANALYSIS

Analysis programs verify the operational readiness of the vehicle's components.



#### DIAGNOSTICS

Deviations are identified and reported. Diagnostics programs provide support for rapid problem solving.



#### DOCUMENTATION

SERVICE4FIRE.COM automatically documents your operations and reduces your administrative overhead.



#### SERVICE

The system draws your attention to maintenance and servicing intervals.



#### MAPS

Vehicle positions and routes traveled are displayed on digital maps.

ROSENBAUERAMERICA.COM

INFO@ROSENBAUERAMERICA.COM

 ROSENBAUER GROUP

 @ROSYFIRE

 ROSENBAUERFIRE

**Rosenbauer South Dakota, LLC**

100 Third Street; Lyons, SD 57041  
605.543.5591

**Rosenbauer Minnesota, LLC**

5181 260th Street; Wyoming, MN 55092  
651.462.1000

**Rosenbauer Motors, LLC**

5190 260th Street; Wyoming, MN 55092  
651.462.1000

**Rosenbauer Aerials, LLC**

870 S Broad Street; Fremont, NE 68025  
402.721.7622



SOUTH DAKOTA, LLC. #011714-RSD | MINNESOTA, LLC. #011714-RMN