



A SPARTAN MOTORS
BRAND



**WE'LL BUILD IT
THE WAY YOU USE IT.**

PUMPERS

**CUSTOMIZED TO
WORK AS HARD
AS YOU DO.**



Built to spec. Built to last.

No matter your location—big city or rural community—we customize to meet your needs and budget. Smeal is built to one set of specifications: yours. Our complete line of pumpers is customizable to give you exactly what you need. Before you put your pumper to the test, we put it through our own rigorous testing—making sure our design, engineering, and craftsmanship meet the highest industry standards. If emergency response is your line of business, our engineers will quickly respond with a solution that fits perfectly.



**PUMPERS YOU CAN
ALWAYS COUNT ON.**







Spartan Advanced Protection System®

If the crew doesn't arrive on the scene safely, even more lives hang in the balance. At Spartan, we face reality head on with cabs that feature the most advanced safety provisions available in the market today.

The Spartan Advanced Protection System® (APS) is the #1 safety system in the industry. Designed and purpose-built for firefighters, it provides forward-thinking apparatus safety, developed around the needs of the first responder. This market-leading system includes:

- Eight airbag positions, the most offered by any OEM, including knee and side curtain airbags. These give your apparatus the highest available impact and anti-ejection protection on the market.
- Innovative seat belt systems and outboard sensors that enable an intelligent restraint control, dramatically reducing restraint system injuries.
- Ergonomic driver controls that help ensure safe and easy operation of the vehicle, because the drive to a rescue should never require its own rescue.
- Third-party testing to ensure cab safety from every perspective. We test for roof crush, front impact, roll stability control, airbags, seat mounting, and seat belt restraint system validation.
- Added hip room and tunnel height provide more space for both driver and officer.

Safe and Spacious Cabs.

Designed with firefighters in mind by offering the most spacious and ergonomic cabs in the industry.

Flat floors, low step heights, and taller, wider cab doors allow firefighters to get in and out quickly at the scene. The Spartan raised roof extends over the driver and officer, making it easier to maneuver within the cab. We've even optimized the engine tunnel to increase leg and hip room for the front seats, while giving more floor space to the rear crew. Our cabs can comfortably seat up to 10 crew members.

Our cabs are designed to be quieter and more comfortable, with every square inch maximized without increasing the 99" width.



PUMPERS YOU CAN ALWAYS COUNT ON.

Cab Features

- Higher Roof Lines
- Flat Floor Design
- Entry & Egress
- Advanced Climate Control

SG-09 Auxiliary Power Unit

Our APU is designed for an industry faced with increasingly strict emission standards and tighter budgets. Utilizing a separate 9kW diesel-powered generator, the operation of the main chassis engine can be reduced while providing all electrical and HVAC capabilities. *Option not on unit featured below.*



QL-12 Electrical System

The combination of Smeal's QL-12 Electrical System and v-mux multiplexed bodies maximizes flexibility and adaptability through a plug and play system that reduces the amount of non-plug connectors and makes service easy and accessible.



J-Channel Construction

Strength plus safety. This design feature pulls double duty, by reinforcing the body while also creating an integral drip rail.

G-36 Substructure

If the entire body of a vehicle this size moves with the frame, damage is bound to occur. The G-36 substructure relies on a patented spring damper system to allow the body to move independently and prevent unnecessary damage.



Stainless Steel Plumbing

We build our pumpers to last, which makes stainless steel plumbing mandatory. Enjoy the robust strength while also fighting against corrosion in any environment.

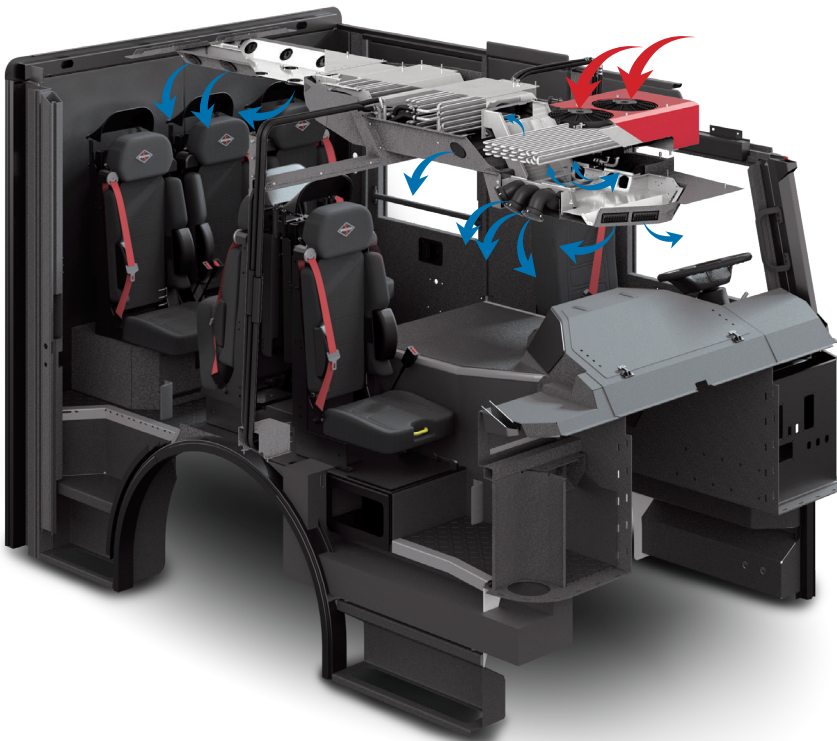
Sweep-out Compartments

You want to keep your pumper clean, and we want to make that easier for you. Our sweep-out compartments make cleaning the water, debris, and grime a breeze.

Spartan Advanced Climate Control.

Spartan's well-designed cabs also offer the industry's best HVAC system—creating a safer and more comfortable environment for firefighters working in any kind of climate.

Enduring over 20,000 miles of performance and durability testing, Spartan's Advanced Climate Control System exceeds standard performance requirements and maintains a comfortable cab, no matter the condition. Its innovative design helps cool and heat the cab interior aggressively while distributing air volume evenly to all occupants. It also quickly and effectively evacuates condensation, defrosts/defogs, and clears flash fogging—keeping firefighters comfortable and safe to and from every response.



-40° in 30 Minutes

Spartan's Advanced Climate Control System reduces interior cabin air temperature from 122° F (+/- 3° F) to 80° F in 30 minutes.*



+232% Air Velocity

Air velocity has been improved by an average of 232 percent, which distributes AC or heat throughout the cab and to all occupants more evenly and quickly than our previous roof-mounted HVAC system.



No Condensation

In testing, with AC on max for one hour with the doors open at 90° F and 95 percent relative humidity, all condensate generated by the system had been drained outside of the vehicle.



+80° in 30 Minutes

With the cabin air temperature at 0° F, the foot-area average air temperature reaches 80° F within 30 minutes.



30-Second Defogging

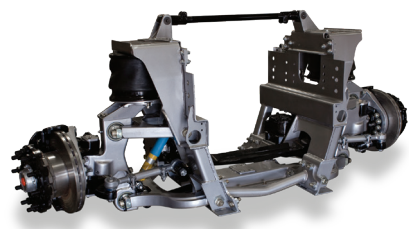
When in defog mode, the system clears the windshield and the front side glass of any flash fogging in 30 seconds or less. The normal defrost mode pushes air to the windshield and side glass and defrosts in a matter of minutes, even in a fully frosted condition.

*Third party certified to SAE J381 standards. ACC Climate Control, Inc. who meets the requirements of the ISO/EC 17025:2005 international standards. Tests were completed on two different Spartan Gladiator models (10" Raised Roof and Flat Roof).



Independent Front Suspension.

Spartan's emergency response cab and chassis have a heightened level of control and maneuverability due to a wide range of leaf spring or air IFS suspension offerings. Both systems are ideal for carrying the heaviest of loads and help reduce steering effort while maneuvering safely through crowded intersections and tight corners.



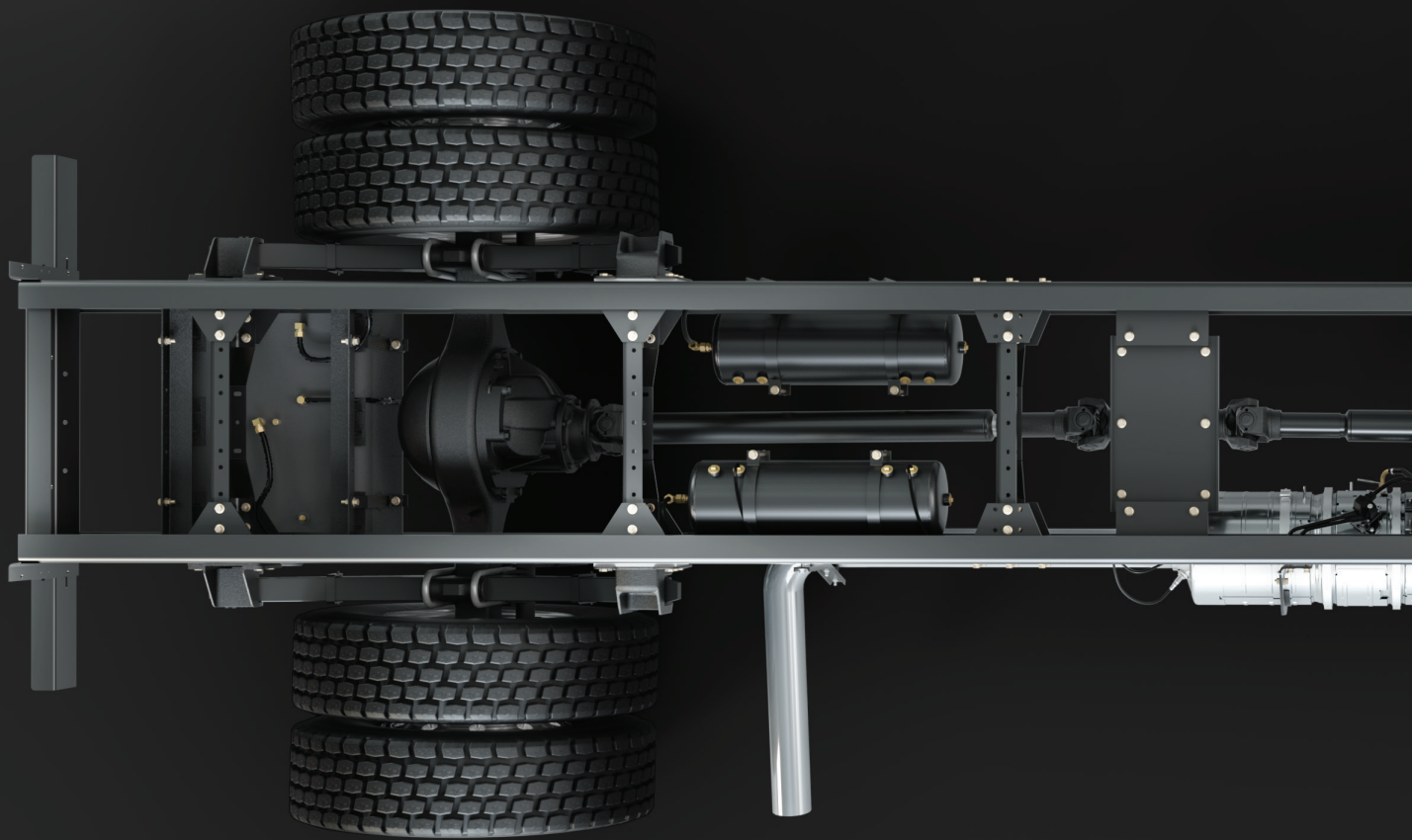
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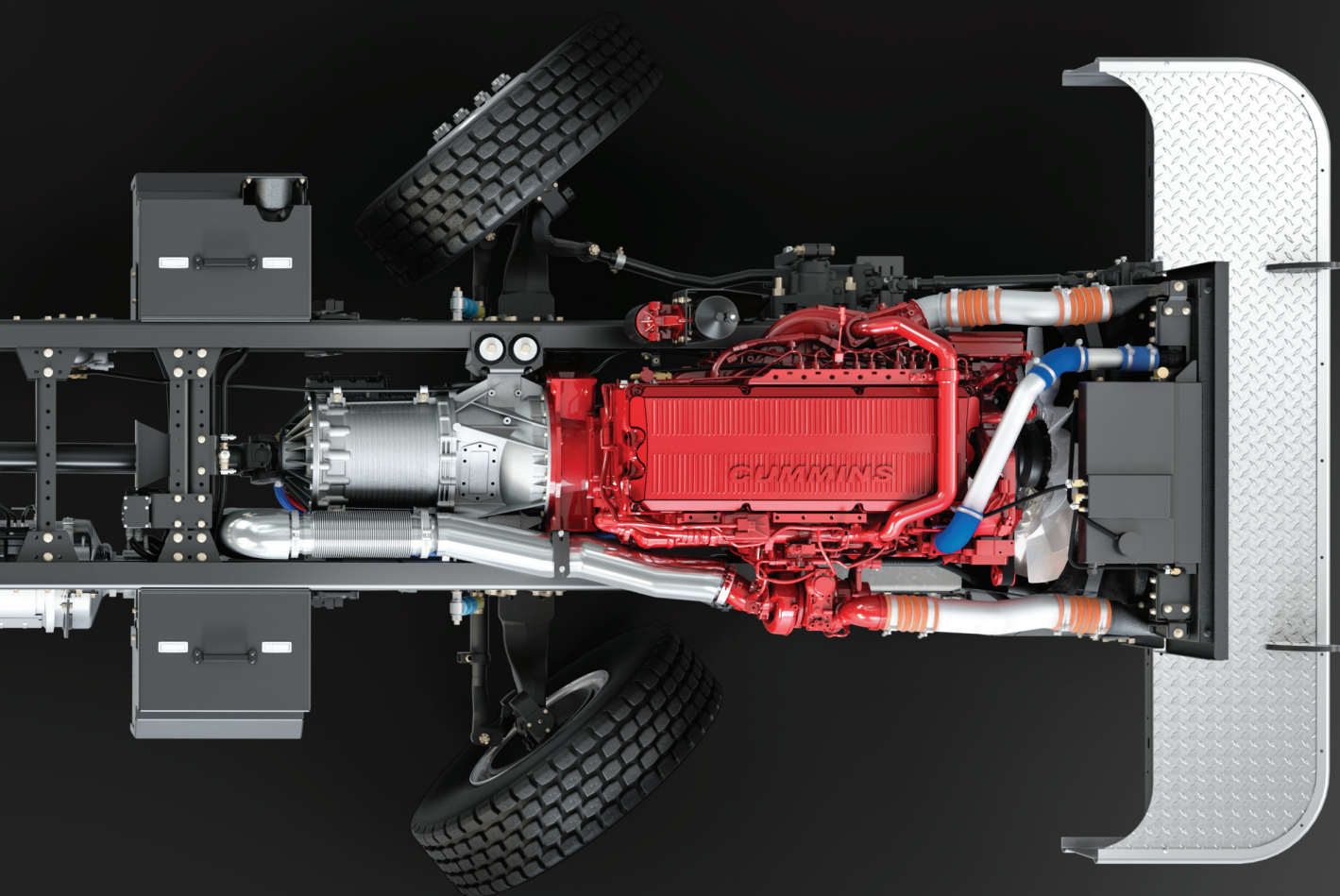
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|-------------------|---|
| Cramp Angle | Maximum: 53 ° with 8,000-20,000 lb. front axle weight rating Minimum: 45 ° with 24,000 lb. front axle weight rating |
| Suspension Type | Air ride suspension with the ability to raise and lower the height of the chassis. |
| Stability | Air ride suspension allows the ability to automatically level the vehicle from side to side. |
| Weight | Light weight, yet durable and allows for more capacity inside the cab for equipment. |
| Tires | Spartan's IFS allows for a wide range of tire sizes and capabilities. |
| Safety & Handling | Spartan's engine and transmission module is positioned evenly over the IFS, which provides: <ul style="list-style-type: none">• A lower center of gravity• Engine forward of driver to protect occupants• More crew area in a shorter cab |
| Ride Quality | Provides a smoother and more controlled ride than a traditional standard I-beam axle. |



A Strong, Long-lasting Foundation.

Our powder-coated galvanized steel frame rails provide strength and integrity while resisting rust and corrosion. They are built to last with low maintenance costs—holding up to the rigors and punishment dished out by hardworking fire departments.





A PUMPER FOR EVERY PURPOSE.



Side Mount Pumper

- Metro Star chassis (380-500 hp) or Spartan Gladiator chassis (400-600 hp)
- Stainless steel or aluminum body construction
- Industry's #1 cab safety featuring Spartan's Advanced Protection System
- 500 to 1,500 gal tank capacity as standard with larger options available
- Waterous, Darley, or Hale Pump options, up to 2,250 gpm
- Spartan's 1-touch CAFS and other foam systems available
- Vibra-Torq body mounting system with 20-year body warranty*
- Compartment depths (12.5" or 25.5" Upper/25.5" lower)
- Space-saving frame to provide greater storage capacity



Wildland Urban Interface

- Hybrid of a traditional pumper and a wildland vehicle
- Provides fire suppression, emergency medical services, technical rescue, and hazardous materials mitigation
- Available on a custom or commercial chassis
- Industry's #1 cab safety featuring Spartan's Advanced Protection System
- High strength aluminum body
- Hale pump options
- 500, 750, or 1,000 US gallon tank capacities
- Roll-up or hinged doors
- High angle of approach and departure
- Spartan One-Touch CAFS



Top Mount Pumper

- Easy access controls with clear 360° view of the scene
- Metro Star chassis (380-500 hp) or Spartan Gladiator chassis (400-600 hp)
- Stainless steel or aluminum body construction
- Industry's #1 cab safety featuring Spartan's Advanced Protection System
- 500 to 1,500 gal tank capacity as standard with larger options available
- Waterous, Darley, or Hale Pump options, up to 2,250 gpm
- Spartan's 1-touch CAFS and other foam systems available
- Vibra-Torq body mounting system with 20-year body warranty*
- Compartment depths (12.5" or 25.5" Upper/25.5" lower)
- Space-saving frame to provide greater storage capacity



Commercial Pumpers

- Side, Top, or Rear Mount and Enclosed configurations available
- Available on International, Kenworth Freightliner, or Peterbilt
- Waterous, Darley, or Hale Pump, up to 2,250 gpm
- FoamPro, Waterous, Hale, CAFS Foam Systems
- 500 to 1,500 Gallon Tank Capacity as standard with larger options available
- Vibra-Torq body mounting system
- Compartment depths (12.5" or 25.5" Upper/25.5" lower)
- Space-saving frame to provide greater storage capacity



Enclosed Top Mount Pumper

- Easy access controls with clear 360° view of the scene
- Metro Star chassis (380-500 hp) or Spartan Gladiator chassis (400-600 hp)
- Industry's #1 cab safety featuring Spartan's Advanced Protection System
- Includes additional cab insulation and additional heaters
- Electric or manual controls located inside enclosed cab area
- Traditional or rescue-style pumper body options
- 500 to 1500 gallon water available
- Waterous, Darley or Hale pump, up to 2,250 gpm
- Spartan's 1-touch CAFS and other foam systems available
- Strongest body in the industry with 20-year body warranty*



Rear Mount Pumper

- Metro Star chassis (380-500 hp) or Spartan Gladiator chassis (400-600 hp)
- Industry's #1 cab safety featuring Spartan's Advanced Protection System
- Waterous, Darley, or Hale pump options, up to 2,250 gpm
- FoamPro, Waterous, Hale, CAFS foam systems
- Stainless steel or aluminum body construction
- 500 to 1,500 gal tank capacity as standard with larger options available
- Vibra-Torq body mounting system with 20-year body warranty*
- Compartment depths (12.5" or 25.5" Upper/25.5" lower)
- Space-saving frame to provide greater storage capacity



Type 3 & 4 Commercial Pumper

- Commercial chassis
- High strength aluminum body
- 750 GPM two-stage pump
- 500 or 750 US gallon tank capacity
- Pump and roll capable with foam
- Side or rear mount pump configurations
- Available in 2 and 4-wheel drive configurations
- Roll-up or hinged doors





**A SPARTAN MOTORS
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The Spartan family of brands—including Smeal, Ladder Tower, and UST—are built to bring the best possible vehicles to the emergency response community. With on-the-road research and responsive design, we make duty-proven, industry-leading cabs and chassis and complete apparatus that can answer the call in North America and across the globe. Spartan brands—we put responders first.

**For more information go to
emergencyresponse.spartanmotors.com**