For more than 50 years, Smeal has made a name for itself providing the safest, most dependable, most technologically advanced line of fire apparatus in North America. Now, we are proud to add the industry’s toughest and most innovative chassis to our product line — introducing the new Smeal S450 and S600 Custom Chassis.

4,100-square-inch windshield and oversized windows for superior visibility

Flat roof or 8" raised roof — can be raised in 1" increments from 8" to 24"

High-mount air intake and air filter ensures no water enters the turbo

Domex 110 XF rails with powder coat base and DuPont Imron Gloss Black top layer — also available with S-Shield corrosion-inhibitor coating with a limited lifetime warranty against corrosion

Clean battery system and cover
- 7-gauge stainless steel battery tray
- 3-battery system — standard
- 6-battery system — optional

Air and electric lines are routed down separate frame rails for serviceability

Easy-to-read red LED backlit gauges

Fully tested power package, including Cummins engine, Allison transmission, and large 1,400-square-inch radiator and 888-square-inch charge air cooler

Electrical V-MUX and Class 1 ES-Key Multiplex compatible

Air and electric lines are routed down separate frame rails for serviceability

Exceeds NFPA 1901 requirements

Insulated walls, heavy-duty 72,000 BTU A/C, air bag system, superior ride, along with our 8" raised roof with more room than most competitors’ 10" raised roof, provide occupant comfort and safety
<table>
<thead>
<tr>
<th>Feature</th>
<th>S450</th>
<th>S600</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cab Width</td>
<td>96”</td>
<td>100”</td>
</tr>
<tr>
<td>Engine</td>
<td>Cummins ISL9 330hp, 350hp, 380hp, 400hp, 450hp</td>
<td>Cummins ISL9 330hp, 350hp, 380hp, 400hp, 450hp</td>
</tr>
<tr>
<td>Transmission</td>
<td>Allison 3000 EVS — Optional output or Telma retarder</td>
<td>Allison 3000 EVS or Allison 4000 EVS — Optional output or Telma retarder</td>
</tr>
<tr>
<td>Alternator</td>
<td>300A Delco Remy — standard</td>
<td>300A Delco Remy — standard</td>
</tr>
<tr>
<td></td>
<td>Optional: 270A Leece Neville, 320A Leece Neville, 420A Delco Remy, 300A Niehoff</td>
<td>Optional: 270A Leece Neville, 320A Leece Neville, 420A Delco Remy, 300A Niehoff</td>
</tr>
<tr>
<td>Frame Rails</td>
<td>Domex 110 XF powder coat base paint with DuPont Imron Gloss Black — standard</td>
<td>Domex 110 XF powder coat base paint with DuPont Imron Gloss Black — standard</td>
</tr>
<tr>
<td></td>
<td>Optional S-Shield corrosion-inhibitor coating</td>
<td>Optional S-Shield corrosion-inhibitor coating</td>
</tr>
<tr>
<td>Front Axle Suspension</td>
<td>Parabolic or leaf spring</td>
<td>Parabolic or leaf spring</td>
</tr>
<tr>
<td></td>
<td>Optional Reyco Granning independent front suspension</td>
<td>Optional Reyco Granning independent front suspension</td>
</tr>
<tr>
<td>Rear Axle Suspension</td>
<td>Leaf Spring single or tandem</td>
<td>Leaf Spring single or tandem</td>
</tr>
<tr>
<td></td>
<td>Optional Air Ride Single or Tandem Axle with Hendrickson, Raydan Air-Link or Ridewell Dynalastic Tandem</td>
<td>Optional air ride single or tandem axle, with Hendrickson, Raydan Air Link or Ridewell Dynalastic Tandem</td>
</tr>
<tr>
<td>Air Bag System</td>
<td>Optional</td>
<td>Optional</td>
</tr>
<tr>
<td>Cab Roof</td>
<td>Flat, or raised 8” up to 24” in 1” increments</td>
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</tr>
<tr>
<td>Cab Styles</td>
<td>45” short, 54” medium, 62” extended medium, 68” long</td>
<td>31” 2-door rescue/tanker, 45” short, 54” medium</td>
</tr>
<tr>
<td></td>
<td></td>
<td>8” Lo-Pro for low-profile aerials, 74” long+, 80” extra-long</td>
</tr>
<tr>
<td>Seating Capacity</td>
<td>Up to 8</td>
<td>Up to 8</td>
</tr>
</tbody>
</table>

The chart above is to be used for comparison only. To learn more about the Smeal S450 and S600 Custom Chassis, see your Smeal representative for a full spectrum of specifications and available options.

**STANDARD FEATURES**

- Extruded aluminum roll-cage cab construction with 3/16” marine grade aluminum plate
- Cab corrosion protection with S-Shield
- Heavy-duty HVAC with separate front/rear systems
- 10-year cab paint warranty
- Insulated wall and ceiling
- Full-length orz barrier-free doors with 85º opening

- Power windows
- Sealed driver’s floor area
- Tilt/telescoping steering wheel
- Four dual-element red/clear LED dome lights
- Full inner-fender liner
- 7-gauge stainless steel battery box and cover
- Wire braid-reinforced fuel hose
- Intermediate step at all four doors

- Threaded bulkhead connections
- 12”-high 7-gauge polished stainless steel bumper
- Spacious cab interior with 28” of leg room for officer
- 12-gauge steel fuel tank with stainless steel straps
- Parabolic front suspension
- Leaf-spring rear suspension, single or tandem

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**SMEAL FIRE APPARATUS CO.**

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SALES@SMEAL.COM

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