ADVANTAGES

- Concrete pump created by R&D SERMAC DESIGN to enable maximum performance.
- Concrete pump produced, assembled and tested in Italy (Milan).
- High precision and great versatility of movement thanks to 4Z27 boom. Placement fast, easy and in tight spaces.
- Italian and German main components, top quality steel.
- Frame pump designed for high torsion rigidity with integrated outriggers.
- Optimal load distribution, precise assembly on standard 2 axles chassis.
- Compact equipment, total weight < 19 tons (41887 lb).
- Placement fast, easy and in tight spaces.

PLACING BOOM - specification

| MAX. VERTICAL REACH | 26.4 m (86'7") |
| MAX. HORIZONTAL REACH | 22.4 m (73'5") |
| MAX. DOWNWARD REACH | -16.4 m (-53'9") |
| SECTION NUMBER | 4 |
| MIN. UNFOLDING HEIGHT | 5.9 m (19'4") |
| FLEXIBLE TERMINAL HOSE | Standard |
| ROTATING ANGLE | 370˚ |
| SECTION OPENING ANGLES | 90˚ - 180˚ - 255˚ - 260˚ |
| OPENING SYSTEM | "Multi Z" |
| FRONT OUTRIGGERS | Telescopic single "X" |
| REAR OUTRIGGERS | Diagonal fixed |
| FRONT OPENING | 6.30 m (20'8") |
| REAR OPENING | 3 m (9'10") |

*Dimensions vary according to the truck assembly

PUMPING UNIT specifications

<table>
<thead>
<tr>
<th>MODEL</th>
<th>SCL130A</th>
<th>SCL150AHP</th>
<th>SCL185A</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAX. THEORECAL OUTPUT*</td>
<td>130 m³/h (170 yd³/h)</td>
<td>149 m³/h (195 cy/h)</td>
<td>184 m³/h (241 cy/h)</td>
</tr>
<tr>
<td>MAX. PRESSURE ON CONCRETE*</td>
<td>61 bar (884 p.s.i.)</td>
<td>76 bar (1102 p.s.i.)</td>
<td>61 bar (884 p.s.i.)</td>
</tr>
<tr>
<td>CONCRETE CYLINDERS (Ø X STROKE - mm)</td>
<td>230x2000 (9&quot;x79&quot;)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>S-VALVE DIMENSION</td>
<td>8&quot;</td>
<td></td>
<td></td>
</tr>
<tr>
<td>NUMBERS OF CYCLES PER MINUTE</td>
<td>27</td>
<td>30</td>
<td>37</td>
</tr>
<tr>
<td>CONCRETE HOPPER CAPACITY</td>
<td>600 l (21 ft³)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>OUTPUT OPENING</td>
<td>180 mm (7&quot;)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*Cannot be reached simultaneously
**MAIN FEATURES**

### PUMPING GROUP
- Pumping unit with open hydraulic circuit. Efficiency and simple maintenance.
- Concrete S-valve made of anti-wear fusion material.
- Pumping unit with automatic centralized lubrication system.
- Automatic oil lubrication system for pumping pistons.
- Automatic wear compensation system between wear plate and cutting ring. High wear resistance with carbide insert and maximum pumping efficiency.
- Chrome-lined concrete cylinders at high resistance.
- Hydraulic pumps with variable displacement and constant capacity adjuster.
- Gear hydraulic pumps for service purposes.
- Conveying chamber made of steel with high wear resistance.
- Remote concrete flow rate regulation, start and emergency stop control.
- Large capacity concrete hopper made of antiwear steel. Optimal shape designed to avoid concrete stagnating.
- Mixer shaft with screwed blades made of anti-wear steel.

### PLACING BOOM & STABILIZATION
- Placing boom 4 sections, folding type “Z”, pipeline diameter 125 mm (5”), ideal for movements in limited spaces. Top quality steel, made by welded box section, headings obtained directly from the cores.
- Pump made by high-yield tensile strength steel, FEM designed.
- Boom hydraulic pump with fix displacement.
- Hinge points made with double support pin and "long-life" lubrication.
- Hydraulic cylinders made by high yield strength steels.
- “Overcenter” valves fixed directly on the oil inlet: allows smooth boom operation and high reliability.
- Hydraulic proportional distributor.
- Boom rotation managed by safety limit switch with hydraulic brake system and valves “anti-shock”.
- Front outriggers “X” opening; rear outriggers “diagonal fixed” opening. Separate operation controls on both sides of the equipment. Position held by hydraulic check valves.

**ASSEMBLY on vehicle**

<table>
<thead>
<tr>
<th>2-Axles chassis</th>
<th>Wheelbase 4.400 - 4.800 mm (14’5&quot; - 15’8&quot;)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total weight</td>
<td>&lt; 19 t (41887 lb)</td>
</tr>
</tbody>
</table>

**STANDARD EQUIPMENT**

- Nr. 2 proportional radio remote controls provided with double speed in boom moving, automatic free frequency research, manipulators with 8 positions and delivery capacity converter.
- Safety block-out at the opening of tank outlet hatch and hopper grid.
- Washing nozzle.
- Set of manometers and mini flexible hoses to supervise the pressure.
- Membrane water pump 75 l/min, 30 bar.
- Electric vibrator on hopper grid remote controlled.
- Water tank capacity 600 liters (158.5 gallons).
- Heat exchanger with hydraulically controlled fan.
- Light projector on hopper.
- Level readers for stabilization control.
- Metal basket for accessories on the hopper side.
- Hard plastic plates for outrigger support and housing with safety lock.
- Switchboard fully protected on the right side.
- Stepladder to access the footboard for enable inspection and maintenance.
- Tool kit for cleaning and maintenance.
- Rubber end hose mounted on the boom.
- Spare parts manual & maintenance manual.
- High pressure water pump with fan-shaped hose nozzle.
- Atomizer 25 liters stainless steel.
- Compressor for pipeline cleaning.
- Aluminum cover for hopper.
- Kit “stop-flow”.
- Kit “PROfessional”.

**ACCESSORIES ON REQUEST**

- Concrete double wall pipeline with tempered core.
- Additional light projector on hopper.
- Multi-level water pump.
- Kit lights and claxon on the boom.
- Pipe holder.
- Automatic release of terminal hose.
- All right reserved by SERMAC®S.r.l.; the data sheet shows models, possibilities configuration (standard and options), technical details with reserve of modification for equipments manufactured and distributed by SERMAC®S.r.l., suitable for transport and pumping of the concrete. The data sheet is meant for general information purposes only and the data it contains shall not be deemed a contractually binding document. Technical data and characteristic are subject to modification without notice. (4Z27-06/16).

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[Logo of a quality assurance agency]