ZENITH 5Z37

MAIN FEATURES

- Perfect assembling on standard 3 or 4 axles chassis.
- Boom with welded box section, heads obtained directly by cores.
- High torsion rigidity boom stabilization with integrated front and rear outriggers.
- Steel building with high yield tensile strength and structural check of critical points by means of Finite Elements Method (FEM).
- Compact building, reduced weight.
- High functionality, reliability and low operating costs.

PUMPING UNIT

<table>
<thead>
<tr>
<th>Model</th>
<th>SCL130A</th>
<th>SCL150AHP</th>
<th>SCL185A</th>
</tr>
</thead>
<tbody>
<tr>
<td>Concrete output (MAX) m(^3)/h(^*)</td>
<td>130</td>
<td>149</td>
<td>184</td>
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<tr>
<td>Concrete pressure bar(^*)</td>
<td>61</td>
<td>76</td>
<td>61</td>
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<tr>
<td>Pumping cylinders (Ø x stroke) mm</td>
<td>230x2000</td>
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<tr>
<td>Stroke volume</td>
<td>83,09 l</td>
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<td>Numbers of strokes per min.</td>
<td>26</td>
<td>30</td>
<td>37</td>
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<tr>
<td>Max oil pressure</td>
<td>350 bar</td>
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<tr>
<td>Hopper capacity</td>
<td>600 l</td>
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<td>Output opening</td>
<td>178 mm</td>
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</tbody>
</table>

*Rod side feeding

PLACING BOOM

<table>
<thead>
<tr>
<th>Technical specifications</th>
<th>Max. height from ground</th>
<th>Max. horizontal reach</th>
<th>Max. downward reach</th>
<th>Number of sections</th>
<th>Pipeline diameter</th>
<th>Minimum height opening</th>
<th>Flexible terminal hose</th>
<th>Turret rotation angle</th>
<th>1(^{st}), 2(^{nd}), 3(^{rd}), 4(^{th}) and 5(^{th}) section opening angles</th>
<th>Opening system</th>
<th>Front outriggers</th>
<th>Rear outriggers</th>
<th>Front opening</th>
<th>Rear opening</th>
<th>Max pressure in circuit</th>
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<td>37 m</td>
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<td>Telescopic diagonal spread</td>
<td>Swing spread</td>
<td>700 m</td>
<td>6,80 m</td>
<td>380 bar</td>
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<td>“Multi Z”</td>
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*Variable dimension according to the chassis
## MAIN FEATURES

### PLACING BOOM
- 5 section ‘Z’ fold placing boom, constructed from lightweight elastic steel. The boom is especially designed for maximum versatility and is ideal for placing high concrete output with great flexibility; pipeline Ø 125 mm (5”)
- Hinge points made with double support pin and “Long Life” lubrication.
- Hydraulic cylinders made by high yield strenght steels.
- Overcentre valves are fixed directly onto the oil inlet to allow soft operation and great reliability.
- Boom control with proportional distributor to ensure smooth operation.
- Boom rotation is controlled via a limit safety switch with a hydraulic brake system.
- Hydraulically operated outriggers with front ‘X’ opening and rear swing-out opening. Separate operation controls on either side of the machine. Position kept by check valves.
- All controls are made to conform with 2006/42/CE and UNI EN12001 in accordance with health and safety guidelines.

### SCL CONCRETE PUMP
- System with 2 alternate cylinders and exchange valve.
- Concrete “S” valve made from anti-wear fusion material of different thickness, integrated command shaft and ribbed profile because of lever command.
- Pumping unit has an automatic lubrication system fitted on high usage points.
- Automatic wear compensation system between the wear plate and the cutting ring increases wear resistance and maximum pumping capacity.
- Chrome-lined concrete cylinders to ensure high resistance.
- Concrete hopper made from antiwear steel and designed in an optimal shape to avoid concrete stagnating.
- Engine speed and pumping volume automatically adjust according to slump of concrete, speed of delivery and distance of delivery.
- Radio remote controls the placing boom and the output of concrete – with emergency stop/start button.
- Large capacity concrete hopper made from anti-wear steel and mixer shaft with screwed blades in anti-wear steel.

### STANDARD EQUIPMENT

#### 3-axle chassis with short cab
- Wheelbase 3.850/4.500 mm

#### 4-axle chassis with short cab
- Wheelbase 4.500 mm

#### Total mass on ground
- Ton. 26/32

### OPTIONAL ACCESSORIES
- Concrete double wall pipeline with tempered core.
- Additional light projector on hopper.
- High pressure kit.
- Flashing magnetic base lights to be positioned on the outriggers.
- Pipeline kit for pumping on the ground.
- Multi-level water pump.

### ASSEMBLY

#### on vehicle

- Proportional radio remote control provided with double speed in boom moving, automatic free frequency research, manipulators with 8 positions and output variator.
- Proportional emergency remote control and serial cable.
- Pumping hydraulic pumps with fixed displacement.
- Boom hydraulic pump with fixed displacement.
- Gear hydraulic pumps for service purpose.
- Safety block-out at the opening of tank outlet hatch and hopper grid.
- Gauges and mini flexibles set to supervise the pressure.
- Membrane water pump 75 l/1”, 30 bar

#### REPRESENTED BY:

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### STANDAR DEQUIPMENT

- Electric vibrator on hopper grid and push-button control panel at distance.
- Water tank capacity 940 l.
- Heat exchanger with hydraulically controlled fan.
- Nr. 1 light projector.
- Basket for accessories on the hopper side.
- Plates for outriggers support and housing with safety lock.
- Switchboard completely protected on the right side.
- Little ladder to reach the footboard for check and maintenance.
- Tool kit for cleaning and maintenance.