TB 50
S-VALVE PUMP

TB 50: cutting edge technology, new compact design for best performance in the toughest sites.
**TB 50**

**TECHNICAL DATA**

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Liquid cooled diesel engine</td>
<td>Kubota - V3307 turbo 4 cyl. 55 kW - 74 HP (Stage III A) @ 2800</td>
</tr>
<tr>
<td>Infinitely adjustable output*</td>
<td>from 2 to 50 m³/h</td>
</tr>
<tr>
<td>Max. aggregate size</td>
<td>35 mm</td>
</tr>
<tr>
<td>Max. working pressure</td>
<td>80 bar</td>
</tr>
<tr>
<td>Pumping cylinders</td>
<td>Ø 200 mm stroke of 1000 mm</td>
</tr>
<tr>
<td>Max. strokes</td>
<td>27/min</td>
</tr>
<tr>
<td>Drive cylinder diameter</td>
<td>100/56 mm</td>
</tr>
<tr>
<td>Delivery manifold</td>
<td>Ø 150 mm</td>
</tr>
<tr>
<td>Hopper capacity</td>
<td>500 l</td>
</tr>
<tr>
<td>Delivery distance*</td>
<td>200 m</td>
</tr>
<tr>
<td>Delivery height*</td>
<td>100 m</td>
</tr>
<tr>
<td>Filling height</td>
<td>128 cm</td>
</tr>
<tr>
<td>Chassis</td>
<td>Manual draw-bar - fixed axle and pneumatic wheels</td>
</tr>
<tr>
<td>Size (L x W x H)</td>
<td>454X210X205 cm</td>
</tr>
<tr>
<td>Weight (draw-bar)</td>
<td>3750 kg</td>
</tr>
</tbody>
</table>

*The data indicated are theoretical and depend on the quality and consistency of the materials to be used, wear and tear of the pump and the diameter of the hoses. The performance in distance and height cannot be exacted simultaneously.

**Characteristics**

TB 50 is the new stationary concrete pump with S-valve and variable output designed for concrete works.

State of the art hydraulic system, solid structure, brand new components setup, reliable controls ensure high level performance with all sort of concrete and low operating costs.

**Applications**

- Pumping up to 35 mm of concrete
- Grouts
- Self-leveling floor screeds
- Land reinforcement
- Micro-piles, pressurized injection of mortars and slurries
- Compaction grouting
- Shotcrete works

**Technical comfort**

- The practical doors on the canopy and the new construction concept make maintenance and control operations quick and easy.
- Tubular chassis including water, oil and diesel tanks.
- Central single lifting eye.
- Discharge door hydraulically operated for fast cleaning operations.
- Components generously dimensioned.
- Fully hydraulic controls.
- New internal setup concept.
- Compact design.
- New hopper-valve-agitator design ideal even for harsh concrete.

**Scope of delivery**

- 4-cylinder liquid cooled diesel engine
- Hopper assembly with S-valve and agitator
- Concrete grill with vibrator
- Centralized lubrication system
- Outlet collector Ø 150 mm with Victaulic couplings
- Hydraulic discharge door
- 4 manual stabilizers
- Safety horn
- Hydraulic circuit with optimized exchange sequence
- Electro-mechanical control board
- Bosch Rexroth variable displacement pump
- Lifting eye
- Delivery manifold with quick coupling
- Steel bend at 90° Ø 150 and reduction cone from Ø 150 to Ø 125
- 30 m remote control
- Towbar
- 2 washing sponges
- Manual grease pump
- Accessory box

**Optionals**

- Water pump 40 l/m' - 20 bar
- 3-function radio remote control
- Various dimensions hoses Ø 125, Ø 100, Ø 75, Ø 65, Ø 50 and related accessories