UNI 30: great performance, sturdy construction and long service life. UNI 30 is a pump and sprayer for common, structural and special mortars.

www.turbosol.it
**UNI 30 VERSIONS**

<table>
<thead>
<tr>
<th>TECHNICAL DATA</th>
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<th>ES</th>
<th>DS</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Motor / Engine</strong></td>
<td>Electric motor 5,5 kW - 400 V/50 Hz</td>
<td>2-cylinder diesel engine 10,5 Kw - 14,3 HP</td>
<td></td>
</tr>
<tr>
<td><strong>Theoretical output</strong></td>
<td>30 ÷ 50 l/min</td>
<td>30 ÷ 50 l/min</td>
<td></td>
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<tr>
<td><strong>Max. aggregate size</strong></td>
<td>8 - 10 mm pumping / 6 - 7 mm spraying</td>
<td>8 - 10 mm pumping / 6 - 7 mm spraying</td>
<td></td>
</tr>
<tr>
<td><strong>Max. working pressure</strong></td>
<td>45 bar</td>
<td>45 bar</td>
<td></td>
</tr>
<tr>
<td><strong>Compressor</strong></td>
<td>270 l/m</td>
<td>270 l/m</td>
<td></td>
</tr>
<tr>
<td><strong>Hopper capacity</strong></td>
<td>190 l</td>
<td>190 l</td>
<td></td>
</tr>
<tr>
<td><strong>Delivery distance</strong></td>
<td>up to 300 m</td>
<td>up to 300 m</td>
<td></td>
</tr>
<tr>
<td><strong>Delivery height</strong></td>
<td>up to 100 m</td>
<td>up to 100 m</td>
<td></td>
</tr>
<tr>
<td><strong>Filling height</strong></td>
<td>75 cm</td>
<td>75 cm</td>
<td></td>
</tr>
<tr>
<td><strong>Delivery manifold</strong></td>
<td>Ø 50 mm</td>
<td>Ø 50 mm</td>
<td></td>
</tr>
<tr>
<td><strong>Chassis</strong></td>
<td>Articulated drawbar and pneumatic wheels</td>
<td>Articulated drawbar and pneumatic wheels</td>
<td></td>
</tr>
<tr>
<td><strong>Size (L x W x H)</strong></td>
<td>200 x 148 x 120 cm (150 cm with fixed mixer)</td>
<td>215 x 148 x 120 cm (150 cm with fixed mixer)</td>
<td></td>
</tr>
<tr>
<td><strong>Weight</strong></td>
<td>660 kg</td>
<td>790 kg</td>
<td></td>
</tr>
</tbody>
</table>

**Paddle type mortar mixer (optional)**

- **Mixer drive**: 1,5 kW - 400 V/50 Hz
- **Mixer capacity**: 180 l

* 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 can not be reached simultaneously.

**Characteristics**

UNI 30 is the most powerful single piston pump with ball valves available in the market. Widely tested in many different working conditions all around the world, it is extremely strong and reliable for any sort of civil and industrial work. Ideal as well for the most difficult sites, it mixes up to 8/10 mm aggregate size. UNI 30 isn’t an ordinary pump, it is a Turbosol machine that made history: more than 10.000 units sold all over the world. It’s also available with built-in paddle type mortar mixer (MF version).

**Applications**

- Spraying of traditional site mixes and many kind of pre-blended mortars
- Plastering jobs
- Pumping common or ready-mixed mortars, self-leveling screeds, micro-concrete, slurries and grouts
- Injection, stabilization, grouting
- Spraying on 3D panels
- Structural repair
- Structural strengthening
- Shoring of slopes
- Shotcreting

**Indestructible**

- Thanks to its high quality components and its service friendly construction, UNI 30 stands out with long service life, competitive price and and long-lasting commercial value.
- Extremely low ware and tare: more than 40.000 m2 with one piston.

**Scope of delivery**

- Piston pump with gravity ball valves
- 2-speed gear reduction unit
- Automatic mechanical safety device against overpressure
- Self-bearing frame with pneumatic wheels and articulated drawbar
- Material recycling device
- Built-in air compressor
- Vibrating sieve with 8 mm mesh
- Hopper safety grill
- Start/stop pneumatic remote control
- Delivery manifold with pressure gauge
- 40 m mortar hose (20 + 10 Ø 50 + 10 Ø 40 mm) with cam lock couplings
- 41 m air hose Ø 13 with quick couplings
- Manual grease pump
- Cleaning tools
- N. 1 metal hose bracket
- N. 2 plastic hose brackets
- Accessory box with spray gun, series of nozzles and ball valves

**Options**

- Pressure gauge for Ø 50 hose
- Water gauge
- Various diameters pumping nozzles and shotcrete guns
- Cement slurry injection device
- Steel ball valve
- 10 mm mesh for sieve
- Various hose extensions
- Paddle type mortar mixer (MF version)
- Spare parts kit

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**TURBOSOSOL®**

**PUMPING TECHNOLOGY FOR THE BUILDING INDUSTRY**

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Standard equipment and options could vary due to specific market and legal requirements. The data in this brochure are purely indicative. Turbosol Production S.p.A. could make alterations to the models described in this brochure at any time for technical and commercial reasons.