46X-Meter Truck-Mounted Concrete Boom Pump

- 148 ft Vertical Reach
- Special Telescopic Diagonal X-Outrigger Design for Quicker Setup
- Induction Hardened 5" Delivery Line – All Sections
- High Volume Outputs and High Pressures
- Free Flow Hydraulics
- Overall Length Less Than 40 ft

**Boom** The Putzmeister 46X-Meter truck-mounted concrete boom pump is the first and only unit in the 150 ft class to feature a compact telescopic diagonal X-outrigger design for quicker and easier setup in the tightest of areas. Plus, this highly versatile 4-section roll and fold boom is mounted on a four-axle chassis for enhanced maneuverability.

**Delivery Line** The boom is equipped with a 5 in induction hardened delivery line mounted in easy lift-out brackets for simple delivery line replacement. Standardized elbows and straight pipe sections are used for common component availability and easy replacement.

**Pedestal** The fully integrated pedestal design of the Putzmeister 46X absorbs all forces as outriggers and boom are within one structural element. This design results in less twist, reduced forces transferred to the truck frame, a small outrigger footprint, low overall weight and quick setup. The boom pedestal includes a rotation bearing and access openings to simplify changing the turret pipe. It also incorporates a hydraulic oil tank for improved weight distribution. Triple suction filters with indicator gauges are located in the pedestal for easy access, and a condensation trap is found in the tank to collect water. Two spacious 10.5 ft long decks allow convenient storage of pipe and hoses.

**Outriggers** The fully hydraulic telescopic diagonal X-outrigger design allows for quick and easy setup on congested job sites. Compact in width, the front double-acting outriggers diagonally telescope while rear ones swing out. Aluminum outrigger pads (4) with two side compartments are included with each unit.

**Radio Remote Controls** Fully proportional frequency hopping HBC radio remote controls are standard for smooth and precise positioning of the boom. Additionally, the unit comes with a backup cable remote box with 130 ft (40m) cable for all boom and pump functions.

**Clean Out** A 406 psi (28 bar) hydraulically-driven water pump with a 185 gallon (700L) water supply make clean out easy.

**Concrete Pump** With the same setup, only Putzmeister has the technology to offer both 260 yd³/hr output and provide 1233 psi concrete pressure with its .20H pump on the piston side (or 210 yd³/hr output and 1233 psi with its .16H pump - rod side). With competitive designs, you have to decide if you want either high pressure or high volume. Key features include a free flow hydraulic system for smooth controllable pumping as well as hard-chromed concrete cylinders and automatic lubrication of the concrete pistons for long service life. This pump has a fully adjustable volume control which allows very slow pumping while retaining full concrete pressure and boom speed.

**S-Valve** Ideal for high pressure applications, our hard-faced “Big Mouth” S-Valve with gradual 9 in to 7 in (230 to 180mm) reduction is designed to handle extremely harsh concrete mixes. A thick-walled valve construction, exclusive Putzmeister hard-chromed concrete cylinders and a multi-piece piston cup design all add up to longer pump performance.

**Hopper** With a larger 19.4 cu ft (550L) capacity, this E-Z Clean Out RS 907A hopper features hard-faced remix paddles, vibrator and a special hinged splash guard. Besides protecting the unit from splattering during pumping, this unique design conveniently folds down and latches to cover the hopper during transit. Additionally our low hopper height allows for easy discharge from mixer trucks.
Specifications
46X-Meter Concrete Pump

Boom Specifications • Roll and Fold Design

Height & Reach
- Vertical reach: 148’4” (45.20m)
- Horizontal reach: 136’2” (41.50m)
- Reach from front of truck*: 126’0” (38.43m)
- Reach depth: 109’3” (33.32m)
- Unfolding height: 40’4” (12.30m)

4-Section Boom
- 1st section articulation: 170°
- 2nd section articulation: 177°
- 3rd section articulation: 180°
- 4th section articulation: 213°
- 1st section length: 25’3” (7.70m)
- 2nd section length: 37’1” (11.30m)
- 3rd section length: 37’1” (11.30m)
- 4th section length: 36’9” (11.20m)

General Specs
- Pipeline size (ID) metric ends: 5” (125mm) with couplings: 5.5” (140mm)
- Rotation: 365°
- End hose-length (heavy duty): 10’ (3m)
- End hose-diameter: 5” (125mm)
- Outrigger spread L-R-front: 26’3” (8.00m) telescopic diagonal
- Outrigger spread L-R-rear: 29’6” (9.00m) swing-out

Pump Specifications

<table>
<thead>
<tr>
<th></th>
<th>46X.16H</th>
<th>46X.20H</th>
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<tbody>
<tr>
<td>Output-rod side</td>
<td>210 yd³/hr</td>
<td>146 yd³/hr</td>
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<tr>
<td>Output-piston side</td>
<td>1885 psi</td>
<td>1233 psi</td>
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<tr>
<td>Pressure-rod side</td>
<td>1233 psi</td>
<td>1233 psi</td>
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<tr>
<td>Pressure-piston side</td>
<td>(85 bar)</td>
<td>(130 bar)</td>
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<tr>
<td>Concrete cylinder diameter</td>
<td>9” (230mm)</td>
<td>11” (280mm)</td>
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<tr>
<td>Stroke length</td>
<td>83” (2100mm)</td>
<td>83” (2100mm)</td>
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<tr>
<td>Max strokes per minute-rod side</td>
<td>31</td>
<td>26</td>
</tr>
<tr>
<td>Max strokes per minute-piston side</td>
<td>21</td>
<td>26</td>
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<tr>
<td>Volume control</td>
<td>0-Full</td>
<td>0-Full</td>
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<tr>
<td>Vibrator</td>
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<tr>
<td>Hard chromed concrete cylinders</td>
<td>Standard</td>
<td>Standard</td>
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<tr>
<td>Hydraulic system</td>
<td>Free Flow</td>
<td>Free Flow</td>
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<tr>
<td>Hydraulic system pressure</td>
<td>5075 psi</td>
<td>5075 psi</td>
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<tr>
<td>Differential cylinder diameter</td>
<td>5.5” (140mm)</td>
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<td>Rod diameter</td>
<td>3.1” (80mm)</td>
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<tr>
<td>Maximum size aggregate</td>
<td>2.5” (63mm)</td>
<td>2.5” (63mm)</td>
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<td>Water tank - pedestal</td>
<td>40 gal (150L)</td>
<td>40 gal (150L)</td>
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<tr>
<td>- outrigger</td>
<td>145 gal (550L)</td>
<td>145 gal (550L)</td>
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</table>

Maximum theoretical values listed.
* Applies to units mounted on PMA stock truck-Mack MR 688S
• Standard delivery line system rated at max line pressure of 1233 psi (85 bar)

Right to make technical amendments reserved.

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Based on Model Mack MR 688S with .16H pump cell.

Weights are approximate and include pump, boom, truck, full hydraulic oil, drive and some fuel. Varies with options selected.

Dimensions will vary with different truck makes, models and specifications.